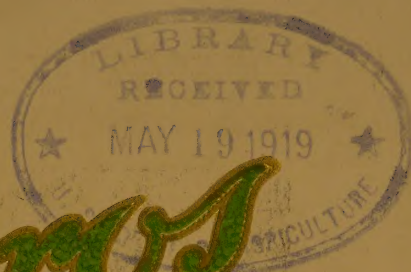
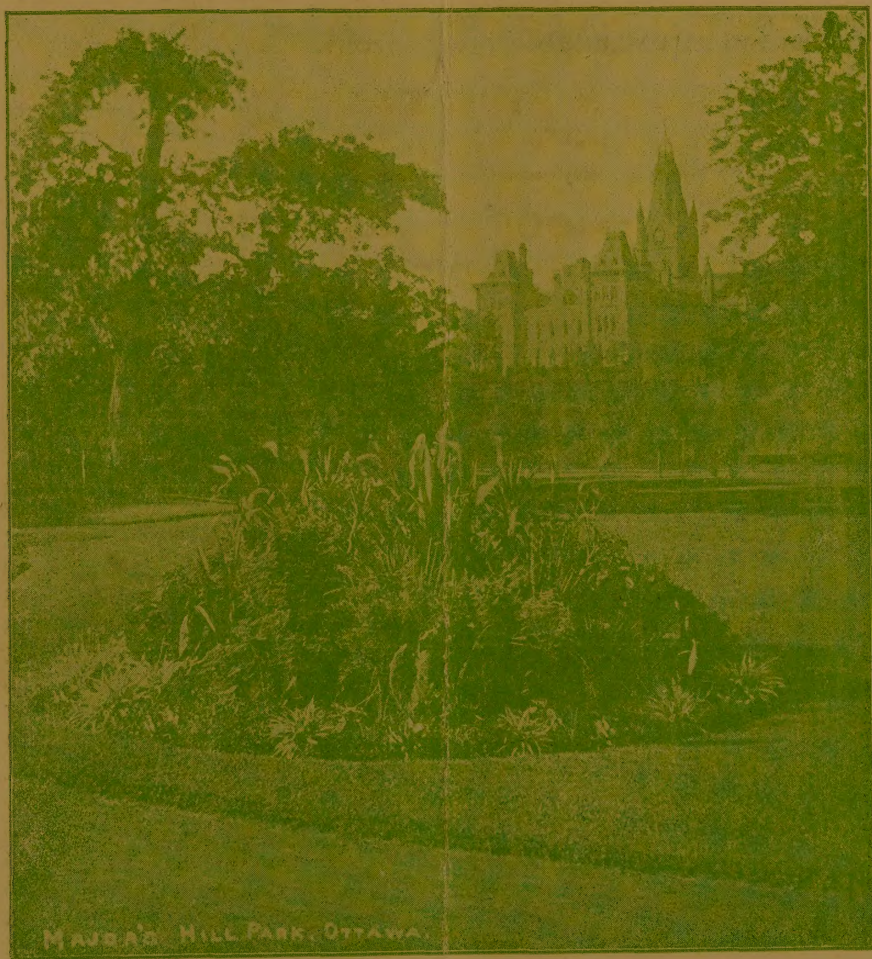


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Graham Bros



SPRING
CATALOGUE
1914

301 QUEEN ST.
OTTAWA

SOW - GOOD - SEEDS



Full Barns and Plenty are largely obtained by using
GOOD SEEDS AND PRACTISING **GOOD HUSBANDRY**

The former can be procured at reasonable prices from

GRAHAM BROS.

301 QUEEN STREET
PHONE QUEEN 573

OTTAWA

HIGH GRADE Vegetable and Flower Seeds, Grasses, Clover
Seed, Ensilage Corn, Plants and Bulbs, Garden, Green-
house and Poultry Supplies. WHOLESALE AND RETAIL

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UNTIL THE INTRODUCTION OF PARCEL POST IN CANADA THE POSTAGE RATE ON SEEDS AND BULBS TO ANY POST OFFICE IN CANADA IS 5c. PER POUND. THE LIMIT OF WEIGHT OF ONE PARCEL IS 5 LBS. WE PREPAY THE POSTAGE ON ALL SEEDS WHEN CASH ACCOMPANIES ORDER AND WHEN ORDERED BY THE OUNCE OR PACKET. ON ALL SEEDS ORDERED AT POUND RATES, 5c. PER POUND FOR POSTAGE SHOULD BE ADDED TO PRICE.

GRAHAM BROS.

OTTAWA, ONT.

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We will be obliged for the names of some of your neighbors or friends who are likely to want seeds, and and we will mail our Catalogue.

ORDER SHEET FOR SEEDS, PLANTS, ETC.
GRAHAM BROS.
OTTAWA, ONT.

100 packets - 1.00 per dozen	50 packets - .50 per dozen	25 packets - .25 per dozen	10 packets - .10 per dozen
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GOOD SEEDS, PLANTS, ETC. GRAHAM BROS. OTTAWA

GRAHAM BROS. OTTAWA

Vegetables and Flower Seeds, Grasses, Clover Seed, Enlarged Lawn, Plants and Bulbs, Garden, Greenhouse and Potting Supplies. WHOLESALE AND RETAIL

Special Low Price on Seed
We have a large stock of
all kinds of seeds and plants
at our Ottawa store
and are prepared to supply
you at the lowest prices
possible. We also have a
large stock of plants and
bulbs for sale at our
Ottawa store.

GRAHAM BROS. OTTAWA

OUR TEMPORARY PREMISES ARE AT
301 QUEEN ST.

Between Kent and Lyon Sts.

OTTAWA, JANUARY. 1914.

To Our Friends and Customers—

In presenting this our Eighteenth Annual Catalogue of Seeds, etc., we take the opportunity of tendering our thanks to our numerous customers for their liberal patronage in the past, and we solicit a continuance of their favors in the future.

Realizing the advantages of specializing, we have disposed of the Floral Department of our business, and will in future devote our attention entirely to Seeds, Bulbs, Garden, Farm and Poultry Supplies, in view of which we hope to serve our customers more efficiently than in the past.

TESTED SEEDS.

We test the seeds we offer, and we have the advantage of having the GOVERNMENT SEED TESTING LABORATORY at our disposal, where both the germination and purity test has been reduced to a science. We give no warranty, however, express or implied, as to description, quality, or productiveness of any seeds, plants or bulbs we may send out, and we will not in any way be responsible for the crop. All seeds, plants and bulbs purchased from Graham Bros. must be accepted on these conditions or returned.

FAILURE OF SEEDS.

Seeds of the best quality will often fail through improper treatment. Thus, a small seed may be sown so deeply that the young plant cannot reach the surface. More failures result from disregard of the conditions necessary to germination than from inferiority of the seed used. These conditions are: a proper temperature, sufficient moisture, and free access of air. The soil must be in a proper condition, and present no physical obstacle to the growth of the young plant. If heavy rains have compacted the surface of the soil, and the sun has baked it to a hard crust, it will be impossible, even if all other conditions are favorable, for the seedling plants to force their way through it, and many perish from this cause alone. Seeds differ greatly as to the temperature required for germination. Beets, Cress, Peas, etc., germinate rapidly at a temperature of 45°; but if Melons and other seeds of that family, bush or pole Beans, are sown under the same conditions, they will be apt to decay, as for their prompt germination they require a heat of at least 60°. For this reason many seeds fail yearly from too early sowing. The second condition, proper moisture, is likely to be violated by an excess rather than too small a portion. The proper amount is that which a well-drained soil will naturally hold. Free access of air is all-important, and this is interfered with by an excess of water in the soil.



WHITE CAP YELLOW DENT CORN

EARLY ORDERS.

We respectfully urge all intending purchasers of seed to make up their wants as early in the season as possible and send in their orders, thereby greatly relieving the tension of the spring rush and insuring greater accuracy and care in their manipulation.

NAME, ADDRESS, Etc.—We beg our correspondents to give us on Each order their correct name and address; also to indicate very precisely the means of carriage which they prefer, whether by Express, Freight or Mail, and the office or railroad station which best serves their locality.

When Cash accompanies order **WE DELIVER FREE OF EXTRA CHARGE** to any Post Office in Canada all seeds priced in this Catalogue, except where specially noted, such as Beans, Peas, Corn, Grasses, Etc.

GRAHAM BROS.

COLLECTIONS OF OUR SPECIALTIES IN FLOWER AND VEGETABLE SEEDS.

POST PAID FOR \$1.25

FLOWER SEED.

SPECIALTIES, 75c.

- 1 packet Aster, Graham's Royal Exhibition.
- 1 packet Dianthus, choice double mixed.
- 1 ounce Dwarf Nasturtium, Graham's Royal Exhibition Mixture.
- 1 packet Tall Nasturtium, Graham's Royal Exhibition Mixture.
- 1 packet Graham's Royal Exhibition Pansy.
- 1 ounce Graham's Exhibition Sweet Peas.
- 1 packet Phlox Drummondii Grandiflora, choice mixed.

VEGETABLE SEED.

SPECIALTIES, 50c.

- 1 packet Hodson Wax Bean.
- 1 " Lucelles Chard.
- 1 " Golden Bantam Corn.
- 1 " Witham Fireball Beet.
- 1 " Copenhagen Market Cabbage.
- 1 " Improved Hanson Lettuce.
- 1 " New Century White Spine Cucumber.
- 1 " Fordhook Early Water Melon.
- 1 " Dwarf Perfection Parsley.
- 1 " Delicious Squash.
- 1 " Little Marvel Pea.



VEGETABLE SEEDS.

GENERAL LIST



WHEN CASH ACCOMPANIES ORDER, PLEASE NOTICE that We Pay Postage on all Seeds in Packets or Ounces.

When ordered at pound prices, 5 cents per pound for postage must be added to price.

CONDITIONS OF SALE.—Graham Bros. give no warranty, expressed or implied, as to description, quality, productiveness or any other matter of any seeds they send out, and will not be in any way responsible for the crop. If goods are not accepted on these terms they are at once to be returned.

ASPARAGUS.

Sow 1 oz. for 40 feet of drill.

CULTURE.—Sow as early in spring as the season will permit, in drills one foot apart, covering the seed one inch deep, in ground which should be prepared by being thoroughly pulverized and enriched with well-rotted manure. Thin plants to three inches apart in the row. The following spring transplant into permanent highly-manured beds four feet wide and three rows in each. In setting, the crowns of the plants should be placed at least three inches below the surface. Plant one foot apart. Cover in the fall with well-decayed manure, and in the spring give a good dressing of salt.

Columbia Mammoth White—A distinct variety, producing white shoots.....

\$1 00 10 5
lb. oz. pkt.

Palmetto—This variety grows to an immense size. The heads are green without any purple tinge whatever.....

80 10 5

Barr's Giant Purple—The variety generally grown.....

60 10 5

Conover's Colossal—Grows very large.....

70 10 5

ASPARAGUS ROOTS.

By planting good strong roots a saving of two or three years' time is effected. We have a splendid lot which have been carefully cultivated, and which are ready for almost immediate establishment.

Strong two year old roots.....\$1 50 per 100

ARTICHOKE.

The Globe Artichoke is cultivated for its flower-heads, which are cooked like Asparagus. Set the plants in any good soil, and if covered slightly during winter will remain in bearing several years.

Green Globe.....oz. 50c., pkt. 5c.

BEANS—English.

Sow in drills two feet apart and leave 5 or 6 inches between plants. One pound of seed will sow 100 feet of row.

Giant Harlington Windsor—A highly esteemed variety in England, and much superior to Broad Windsor. Per lb.....30c.

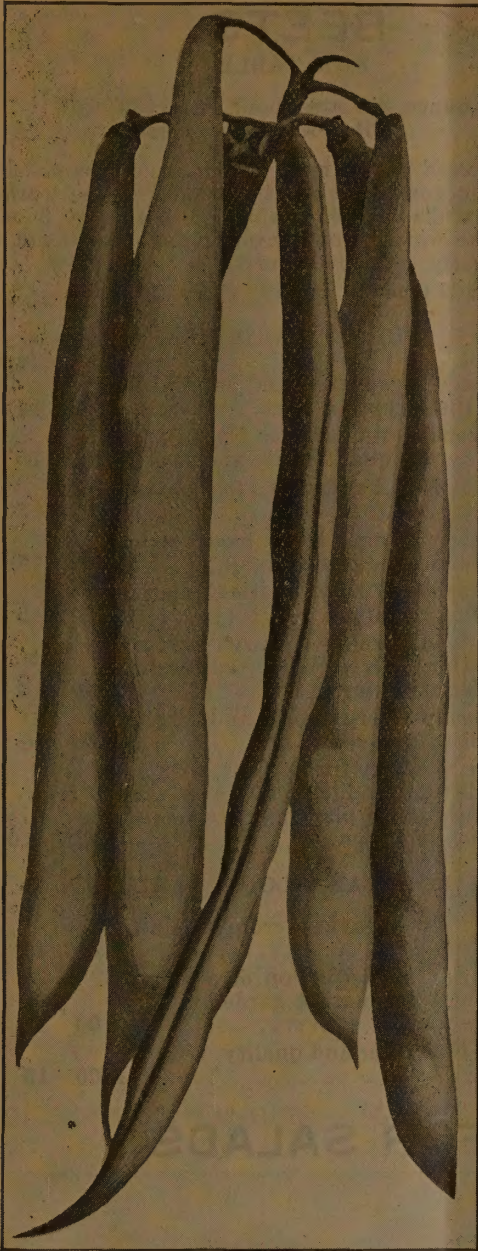
BEANS—Pole or Running.

One pound will plant about 100 hills.

Avoid very early sowing. Sow during May, when the soil becomes warm—when germination will be assured—in hills 3 feet apart each way. Cover 2 inches deep. From 5 to 6 seeds are planted in each hill.

Asparagus or Yard Long—The finest pole bean in cultivation.....	pkt. 10c.	lb. 60
Blue Lake Creaseback—Handsome green pods.....		25
Early Golden Cluster—Pods tender, golden yellow.....		25
Lazy Wife's—Green pods, quite stringless, rich buttery flavor.....		25
Dutch Case Knife—Very productive, and one of the earliest.....		25
Lima, Large White—Delicious bean, either green or dry.....		20
Scarlet Runners		
White		
Painted Lady		
Mainly cultivated for flowers, but the pods are also used as a culinary vegetable.....		30





VALENTINE WAX BEANS

**BEANS—Dwarf or Bush.**

One pound of Beans will plant 100 feet of row. One bushel will plant a half acre in drills.

When danger from frost is over—say the second week in May—sow in drills of 2 to 2½ feet apart, 2 or 3 inches apart in the row and 2 inches deep. Hoe often and draw the earth up to the plants.

When ordered to be sent by post
add 5c. to the following prices.

YELLOW PODDED WAX BEANS.

	lb.
Hodson Long Pod Wax—Vigorous plants, enormous pods and a splendid yielder, a distinct new type and free from disease....	25
Grenell's Rustless Wax, or Pencil Pod Wax—The best round pod, early wax bean. It has a bushy growth and is very productive. Pods straight, round, quite stringless, fine flavor.....	25
Valentine Wax—One of the earliest; very productive and of excellent quality.....	25
Davis Kidney Wax—Produces handsome long pods of clear waxy white color. The dry beans are pure white and are unsurpassed for baked beans.....	25
Golden Eye Wax—A popular old variety.....	25
Keeney's Rustless Wax—This bean combines hardiness and productiveness with fine quality.....	25
Improved Golden Wax (Rust Proof)—The standard variety for general use.....	20
Currie's Rust Proof—Bean when ripe resembles the Black Wax. It is, however, much more vigorous and productive.....	20
Wardwell's Kidney Wax—This variety is one of the finest dwarf beans.....	25
Flageolet Scarlet Wax—A heavy cropper, valuable alike to the market gardener and amateur.....	25

GREEN PODDED VARIETIES.

Extra Early Refugee—Similar to old Refugee, but two weeks earlier.....	20
Burpee's Bush Lima—An improved variety of this class. Beans as large as the Pole Lima, and two weeks earlier.....	25
Early Red Valentine—Very desirable for marketing or family use. Early, productive, tender and fine flavor.....	20
Wonder of France—Beans retain their bright green color when cooked. It is an excellent shelled cooking bean.....	30
California Pea Bean—A fine variety for baking.....	10
Yellow Six Weeks.....	15
Early White Marrowfat.....	10
Large White Kidney, a superior shelled bean.....	10
White Pea Bean.....	10
Horse Beans, per bushel.....	\$2 25

BRUSSELS SPROUTS.

	oz.	pkt.
Dwarf Paris Market—A superior variety in every way.....	20	5
Giant Dalkeith—A good cropper.....	20	5
Amager Market—Robust grower and prolific in sprouts.....	30	5

BORECOLE OR KALE.

Sow early in spring. Cultivate same as cabbage.

	oz.	pkt.
Tall Green Curled Scotch.....	20	5
Tall Moss Curled.....	20	5
Dwarf Green Curled German.....	20	5

BEETS.**FOR TABLE.**

One ounce will sow about 50 feet of drill,
5 lbs. will sow an acre.

Beets succeed best in a deep, rich, sandy loam. For an early crop, sow as soon as the ground can be worked mellow, in drills 14 inches apart, and thin to 3 or 4 inches. The winter crop, to be tender, should not be sown too early. Cultivate often.

We Sell Quarter Pounds at Pound Prices.

TURNIP VARIETIES.

	lb.	oz.	pkt.
Crosby Early Egyptian—An improved strain of the Egyptian Beet.....	1	00	15 5
Witham Fireball—As early as Egyptian, color a fiery red, quality crisp and sweet	1	00	15 5
Crimson Globe—A handsome, rich, blood red variety.....	1	00	15 5
Detroit Blood Turnip—Deep blood red, smooth, round and of fine quality.....	1	00	15 5
Eclipse—A splendid round variety, dark red and fine quality.....	1	00	15 5
Edmand's Blood Turnip—Unsurpassed for late planting. Deep blood-red flesh, very tender and juicy.....	1	00	15 5
Egyptian Turnip—Very smooth and early, good quality, dark red color.....	80	10	5
Lentz—An extra early turnip Beet, with a very small top, producing a crop in six weeks from time of planting. It keeps well and is productive.....	75	10	5

HALF LONG AND LONG VARIETIES.

Long Blood—The heaviest cropper, fine quality.....	80	10	5
Market King—The perfection of a long, dark red beet for market gardening or private use.....	1	00	15 5
Half Long—Fine color and quality, heavy cropper.....	1	00	15 5

PLANTS FOR SALADS.

CHARD, or Sea Kale Beet, oz. pkt.
in the following varieties:
Lucullus White Curled,
Beck's Curled..... 15 5

CHIVES—A species of Onion used for flavoring..... 10

CARDON—Large, smooth, solid, grows 4 ft..... 15 5

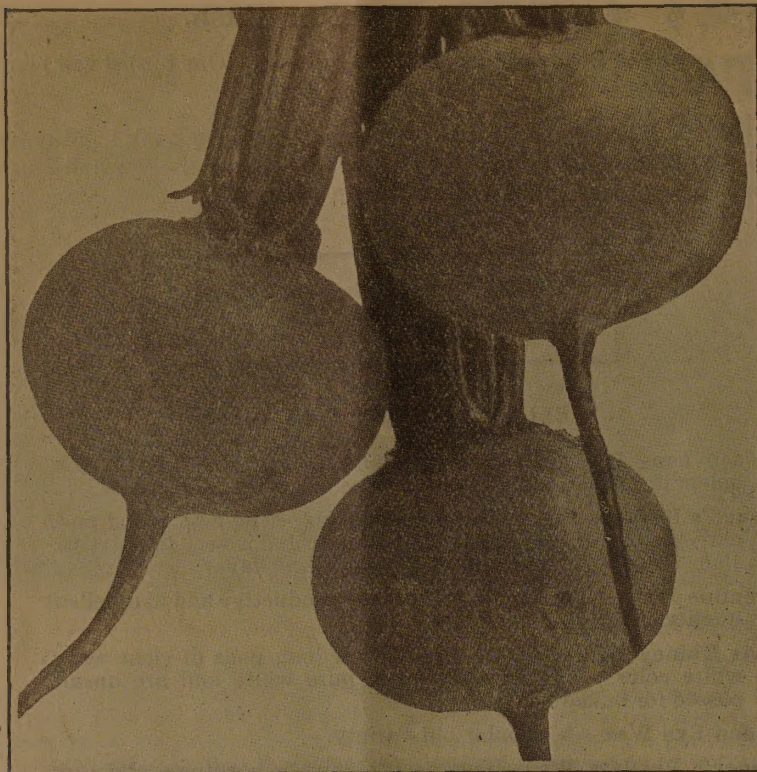
CHERVIL—Double curled, 15 5

CORN SALAD, or Fetticus
—Large seeded..... 10 5

CRESS.

Sow in drills and repeat sowing frequently, as it quickly runs to seed. Water Cress should either be sown on or transplanted to the banks of a running stream, or placed in the bed of it, with a stone on each plant to prevent shifting.

	lb.	oz.	pkt.
Curled.....	50	10	5
Water—True.....	40	10	



CROSBY'S EGYPTIAN BEET



HALF LONG BEET



LUCULLUS CHARD

BEETS FOR FEEDING CATTLE.

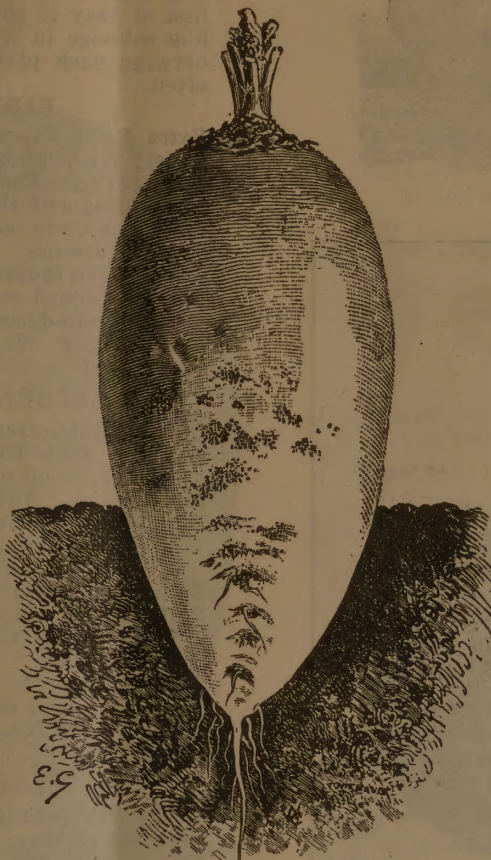
MANGEL WURZELS.

Add 5c. per pound if wanted by mail.

Sow 5 pounds per acre from first of May to first of June in drills 18 inches apart for garden, or 2 feet apart for field culture and thin the plants to 9 inches apart in the rows. The ground must be heavily manured and thoroughly cultivated to obtain best results.



SLUDSTRUP MANGEL



GIANT HALF-SUGAR MANGEL

Danish Sludstrup—Long reddish yellow, grows well above the ground, making it easy to pull. Has been awarded first-class certificate by the Danish Government and is claimed to be the best mangel and the best cropper in cultivation. Lb. 35c.

Elvetham Long Yellow—A great cropper, rich in feeding qualities. Lb. 35c.

Mammoth Long Red—A heavy cropper and most commonly grown. Lb. 30c.

Mammoth Golden Giant—A rich and profitable variety. Lb. 35c.

Golden Tankard—A fine medium sized variety of splendid quality. Lb. 30c.

Champion Yellow Globe—The best of the globe varieties. Lb. 30c.

Gate Post Yellow—Very productive, excellent quality. Lb. 30c.

Red Globe—Similar to Yellow Globe except in color. Lb. 30c.

GIANT HALF SUGAR MANGEL.

In appearance resembles the Sugar Beet, but in habit of growth resembles the Mangel, making it much easier harvested than the former. It possesses great nutritive value and is an even immense cropper.

Rose Colored—Pound..... 40c.
White Colored—Pound..... 40c.

SUGAR BEET.

Four pounds will sow an acre.

Danish Sugar—A great cropper, finely shaped, pink color. Pound..... 40c.

Imperial White Sugar—Grows to a good size, best variety for stock feeding. Pound..... 40c.

Red Top White Sugar—Smaller than the preceding, but rich in sugar. Pound..... 40c.

CAULIFLOWER.

One ounce will produce about 1,000 plants.

Our stock of Cauliflowers is specially selected for Market Garden trade. We draw attention particularly to our High Grade Early Erfurt, it has proved itself to be of the highest quality and a money maker.

Extra Early Dwarf Erfurt—Best forcing oz. pkt. variety. Small leaves, pure white heads..... 25

HIGH GRADE EARLY ERFURT—Best Cauliflower for general crop. Sure header, heavy, solid and pure white; Our Special Strain..... 2 50 20

Danish Giant or Dryweather—Same type as Erfurt, but much larger in the flower. Fine sure variety for late crop or dry weather..... 2 50 25

Henderson's Snowball—A well known sort..... 2 50 25

Extra Early Paris—Good Cauliflower for either forcing or outdoor culture..... 1 00 5

Half Early Paris—Large, second early... 1 00 5

LENORMAND SHORT STEM—Good late variety. Large, solid head..... 1 00 5



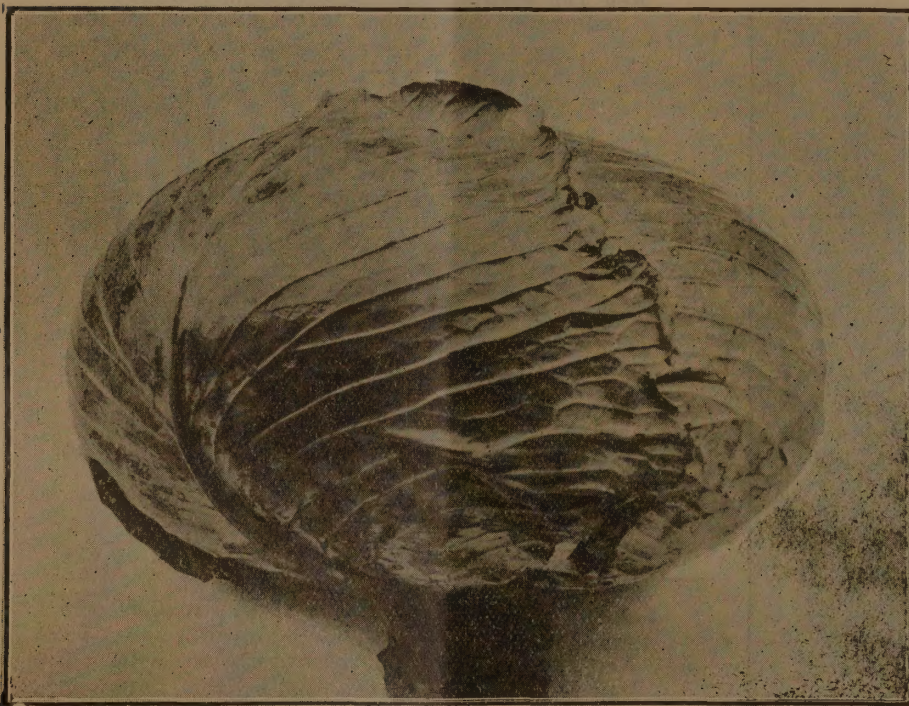
HIGH GRADE EARLY ERFURT



EXTRA EARLY EXPRESS



COPENHAGEN MARKET CABBAGE



DANISH BALL HEAD CABBAGE

CABBAGE.

Our Strains of Cabbage Seeds are the very best procurable of American and European growth. One ounce of seed will produce about 1,500 plants.

The best soil and highest cultivation are essential to the production of this favorite vegetable. For early crops sow the seed in a gentle hotbed about the end of March, and for a succession sow in the open ground from the first of May to the first of June, and transplant like cabbage in rows $2\frac{1}{2}$ feet apart and 2 feet between each plant. Then cultivate deep and often.

EARLY VARIETIES.

Extra Early Express—The earliest variety yet introduced	oz.	pkt.
Early Spring—The earliest flat Cabbage, maturing with the Wakefield, and one-third more in weight than any of the early varieties.	20	5
Copenhagen Market—One of the earliest of the second early varieties. Forms a large round head of excellent quality.	75	10
Early Jersey Wakefield—Early, large and solid.	25	5

SECOND EARLY VARIETIES.

Glory of Enkhuizen	30	5
Summer Ball Head—A solid round headed second early.	20	5
Flat Swedish—An extra fine second early	30	5
Henderson's Early Summer—Produces large and very solid heads, and comes in just after the Wakefield.	25	5
Succession—A trifle later than former.	25	5
Early Winningstadt—Many consider the Winningstadt the very best for early market sales.	20	5
All Seasons—A Drumhead yielding heads of good size.	25	5
Charleston Wakefield—A large type of Wakefield.	25	5

LATE VARIETIES.

The late varieties should be sown not earlier than first of May, in drills, on fine mellow ground and transplanted up to July first, $2\frac{1}{2}$ by 2 feet apart. Keep the cultivator going.

Danish Ball Head—This variety produces a fine, round, solid head. An extra good keeper.	25	5
Premium Late Flat Dutch—One of the best keepers.	25	5
Autumn King, or World Beater—One of the best late varieties.	25	5
Danish Round Head	25	5
Fottler's Improved Brunswick—Large solid heads.	25	5
Large Brunswick Short Stem—Used as a second early and late variety, and produces very large and solid heads. A grand sort. Very heavy.	25	5
Marblehead Mammoth—Fine late sort; grows very large and firm.	25	5

SAVOY VARIETIES.

Large Aubervilliers—An extra large Savoy with few outside leaves.	20	5
Drumhead—The best for general culture	25	5
Perfection Drumhead—American stock, considered the finest Savoy in cultivation.	30	5

RED VARIETIES.

Danish Stonehead—A distinct dwarf variety of intense red color and very compact and solid. Good keeper through the winter.	30	5
Delicatesse—This fine new Danish variety is tender and beautiful in color.	30	5
Mammoth Red Rock—The largest Red Cabbage known. "Solid as a rock".	25	5
Large Red Drumhead—Large and solid	25	5



IMPROVED DANVERS CARROT

CARROTS.

One ounce of seed will sow one hundred feet of drill, and 3 lbs. will sow an acre. Quarter pound at pound prices.

STOCKS ARE ALL HIGHEST GRADE GROWN AND CLEAN RUBBED SEED.

	lb.	oz.	pkt.
French Forcing Horn—Best forcing variety.....	\$1 50	15	5
Early Scarlet Horn—An early and useful variety..	1 50	15	5
Half Long Chantenay—Half long scarlet. An improved variety of Nantes, but larger shoulders,	1 50	15	5
Improved Half Long Danvers—Tapering root, very heavy cropper; the heaviest cropping red carrot	1 50	15	5
Half Long Nantes—Heavy cropper, a selected stock of half long.....	1 50	15	5
Half Long Guerande, or Ox-Heart—The root is very thick at the shoulder, tapering slightly...	1 50	15	5
Long Red Altringham—Large and of fine quality; keeps well.....	1 50	15	5

FIELD VARIETIES.

Ontario Champion (Half Long White)—The heaviest and best.....	75
Mastodon—An extra heavy half long white.....	75
Giant White Short Vosges—A fine sort especially for heavy soils.....	70
White Belgian—The longest of the field varieties. A standard variety.....	70

CELERY.

One ounce will produce about 2,500 plants.

Sow in a hotbed or greenhouse the latter part of March. Transplant 3 inches apart each way into temporary beds of soft, rich soil, where they will soon acquire sufficient strength for planting out. Plant in rows 3 feet apart and set 6 inches apart in rows. About the middle of August earthing up is necessary for blanching. They may also be planted out 10 inches apart each way in beds, when their own crowding will do the blanching. Very heavy manuring and highest cultivation necessary.

	oz.	pkt.
French Success—A fine variety for winter use, keeps well and is very free from disease.....	60	10
Paris Golden Yellow—Is of medium height, fine flavor and perfectly solid.....	3 00	20
Golden Self-Blanching—American growth, somewhat resembles Paris Golden.....	1 50	10
Henderson's White Plume—Needs but little earthing up, is of fine flavor.....	50	5
Winter Queen—Very large solid green winter variety, blanches well and keeps well.....	50	5
Giant Pascal—Color white with golden heart.....	40	5
White Triumph—One of the best varieties for spring use, being a splendid keeper and an excellent variety. Solid, clear white, and fine nutty flavor.....	40	5
New Rose—A variety of deep rose color, very solid and crisp, and one of the best.....	30	5
Celeriac, or Turnip Rooted.....	30	5
Celery Seed for Flavoring..... Per oz. 10c., ¼ lb. 30c.		

QUALITY
IN SEEDS IS OF THE FIRST IMPORTANCE
IT PAYS TO BUY THE BEST
WE BUY THE BEST IRRESPECTIVE OF COST

One man with a Wheel Hoe will do as much work as
five men with Hand Hoes. We have various styles of
both Hand and Horse Cultivators.
. A word to the wise is sufficient.



MAMMOTH WHITE COREY CORN

Kendel's Giant—This distinct variety of Sweet Corn combines more merit than any other variety in cultivation. Kernels pure white, sweet and tender. 20
Mammoth White Corey—About as early as Corey, but much larger in the ear. 20

MEDIUM EARLY.

Metropolitan—Large ear, very sweet, heavy yielder. 20
Potter's Excelsior, or Squantum—A fine second early. Ears large and sweet. 20
Ferry's New Early Evergreen—Very much like Stowell's, but two weeks earlier. 20
Holmes New Premo—Combines all the merits of the extra early varieties. 20
Crosby's Early Sugar—Standard second early variety. 20
Country Gentleman—A delicious variety, and very desirable for private use. Ears are pearly white, and although small, the kernels are exceedingly long. 25
Mexican Black Sugar—A black seeded sort, and the sweetest of all sugar corns. 20
Perry's Hybrid—An early large-eared variety. 15

LATE VARIETIES.

Zig Zag Evergreen—Named Zig Zag Evergreen because of its irregular rows in the cob. It will outyield any other sweet corn in cultivation. 15
Evergreen Sugar (Stowell's)—The standard late variety. 20

CUCUMBER.

Select Northern grown seed. One ounce will plant about fifty hills.

Plant from the middle of May to middle of June in hills five feet apart each way, incorporating some rotted manure in each hill. Put eight or ten seeds into each hill, covering them half an inch deep, and pressing the earth firmly over them. Keep the ground loose and free from weeds. Thin out, leaving four of the thriftiest plants to each hill. For an early crop start in pots in a hotbed and plant out the end of May.

	oz.	pkt.
New Century White Spine—A perfect type of White Spine, combining quality, shape, color and productiveness. Color a rich dark green turning white when nearly ripe.	20	5
Fordhook Famous White Spine—The longest and best flavored White Spine. The handsomest of all green cucumbers.	20	5
Livingston's Emerald—A fine smooth dark green variety, retaining its color till ripe.	15	5
High Grade White Spine—A select stock of this well-known variety.	15	5
Giant Pera—Very large and good for slicing.	15	5
Long Evergreen White Spine—All green, twelve inches long.	15	5
Improved Long Green—A superior strain of this variety, fine dark green color, uniform size, crisp and tender, the best green variety for general use.	15	5
Japanese Climbing—Prolific and fine quality, will climb on trellises or arbors.	15	5
Green Prolific (or Boston Pickling)—A fine pickling variety.	15	5
Early Frame—Medium size, good flavor, good for early crop.	15	5
Early Cluster—Small, early and productive.	15	5
West Indian Gherkin (or Jerusalem pickle).	15	5
Paris Pickling—Slender fruit, 3 to 5 inches long, crisp and brittle.	20	5
Chicago Pickling—True Westerfield strain. A very prolific variety.	15	5
Snow's Perfection Pickling—A very desirable sort, young cucumbers, thickly set, with small spines.	15	5
Snake Cucumber—For ornamental purposes. Resembles a serpent.		10
ENGLISH FRAME CUCUMBERS—Telegraph (Rollinson's) Telephone, Lockie's Perfection. Each.		20
Wild Cucumber (Echinoystis Lobata).	15	5

FORDHOOK FAMOUS
WHITE SPINE

SWEET
CORN.

One pound to 100 hills.
Add 5c. per pound for postage on Corn.

CULTURE.—Plant about the middle of May, in hills three feet apart each way, depositing three to five grains in each hill, covering one-half inch deep. For succession, plant every two weeks until July. Do not plant before ground has become warm.

EARLY VARIETIES.

Golden Bantam—Extra early; yellow; very sweet and tender. Delicious variety. lb. 25
Early Minnesota—Small very early variety. lb. 15
Early White Corey—The most popular early variety. lb. 20

CORN FOR ENSILAGE.



WHITE CAP YELLOW DENT CORN

PRICES F.O.B. CARS. BAGS EXTRA,
20c. EACH.

DENT VARIETIES.

	Bus. of 56 lbs.
Wisconsin White Dent, or Silver King, grain pure white, a strong grower, very early and especially adapted to resist cold weather.....	\$1 50
Clark's Cuban Giant—A fine variety of white Dent. Ripens early and makes fine ears and leafy nutritious fodder...	1 60
Clark's Early Mastodon—This is the largest eared early Corn, and produces a heavy yield of fodder.....	1 60
Improved Early Leaming—A very early tall growing variety, produces well on light or heavy soils, pedigree seed; 10 to 11 feet.....	1 50
Early White Cap Yellow Dent—Grows heavy, leafy stalks, succeeds well in a dry season and on soil that is too poor for the average variety.....	1 50
Mammoth Southern Sweet—Choice stock	1 35
Leaming Fodder—Very similar to Improved Leaming, but considerably later in maturing.....	1 35
Red Cob—Selected stock.....	1 50

FLINT VARIETIES.

King Philip—Much liked by some growers. Red grained and earlier than Compton. Bus. of 56 lbs.....	1 75
Angel of Midnight—A fine early Flint Corn, very similar to Longfellow. Ears are long and thinner than most varieties. Bus. of 56 lbs.....	1 80
North Dakota—It grows a heavier crop of foliage than any of the early Flint sorts, has larger ears, and is sure to ripen sufficiently for silo; 8 feet. Bus. of 56 lbs.....	1 80
Early Longfellow—Another early variety of Yellow Flint Corn; generally conceded to be one of the best of the very early varieties either for ensilage or ripe corn; 8 feet. Bus. of 56 lbs.....	1 75
Early Compton—One of the earliest varieties of Yellow Flint Corn; 8 feet. Bus. of 56 lbs.....	2 00
Early Eight-Rowed Yellow, or Indian Corn. Bus. of 56 lbs.....	2 00

SUGAR FODDER, OR EVERGREEN SUGAR.

The best and most profitable variety for Dairymen, for either green feed or curing dry; a heavy cropper, and is undoubtedly more nutritious than other sorts that are not sugar varieties; 9½ feet. Per 100 lbs...\$7 00

POPPING CORN.

Pop Corn (White Rice)—The best popping sort.....3 lbs. 25c., lb. 10c.



LONGFELLOW FLINT CORN





NEW YORK PURPLE EGG PLANT.

EGG PLANT.

Sow in hotbed, and plant out about the end of May, into deep, rich soil, with a warm exposure; plant 2 feet apart.

	oz.	pkt.
Purple Perfection Thornless.....	40	5
Chinese White—Fine long variety.....	40	5
Early Round Purple—The earliest.....	35	5
New York Purple—Very large fine variety....	60	5

ENDIVE.

Sow in June, in drills one foot apart, and thin out to about the same distance. When 7 or 8 inches high, tie up to bleach, and draw up the earth around plants. Be careful that the leaves are dry when tied up, but give plenty of water during dry weather.

	oz.	pkt.
Curled, White and Moss.....each	15	5

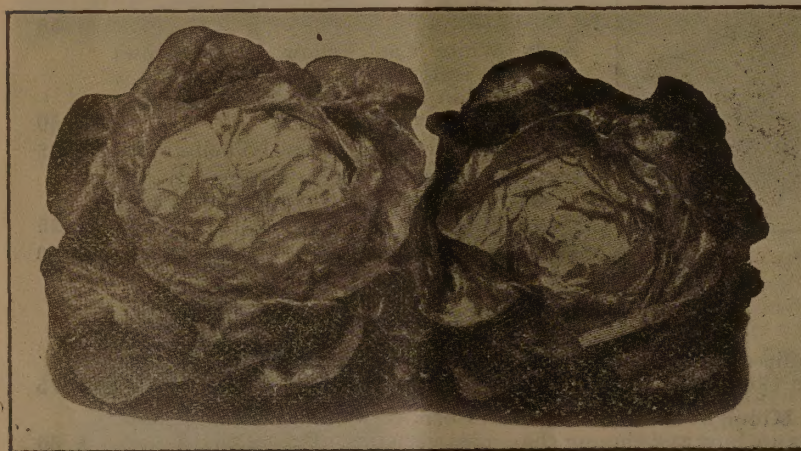


GREEN CURLED ENDIVE

KOHL RABI.

A hybrid between the Turnip and Cabbage; culture the same as Cabbage. Immediately above the ground the stem swells into a bulb. Similar to a Turnip. Should be used before it is quite ripe.

	lb.	oz.	pkt.
Purple Giant.....	\$1 50	10	5
White Imperial.....	1 50	10	5
Giant Green.....	1 50	10	5



MAY KING LETTUCE

LETTUCE.

One ounce will sow about 200 feet of row.

FORCING VARIETIES.

Earliest "Wayahead" shows a remarkable combination of earliness, firm heading character, handsome appearance and fine quality.....	20	5
Market Gardener's Private Stock—A select variety for market or private use.....	20	5
Forcing Milly—An extreme early head lettuce of the Tom Thumb type, but much larger.....	20	5
Wheeler's Tom Thumb—A fine forcing variety.....	15	5
Grand Rapids—One of the best loose-headed varieties for forcing.....	15	5
Early Curled Simpson—A black seeded popular old variety.....	15	5
Golden Queen—A good forcing sort, very tender and rich in color.....	20	5

SUMMER VARIETIES.

May King—The plants are of quick growth and are practically all head. Outer leaves light green. The inner leaves are blanched to a rich yellow.....	20	5
Improved Hanson—Heads large and solid, crisp, mild and tender.....	20	5
Crisp as Ice—A fine crisp lettuce with red-tipped leaves slightly curled.....	15	5
Iceberg—One of the crispest of the Crisp Heading varieties.....	20	5
Big Boston—Large solid head, good for indoor and outdoor culture.....	15	5
St. Louis—An excellent Lettuce, producing good-sized solid heads.....	15	5
Denver Market—Fine sort for forcing or growing outdoors.....	15	5
Nonpareil—An old variety, yet one of the best.....	15	5
We can also supply the following varieties, which are too well known to need description, at the uniform price of.....	15	5
Boston Curled, New York Market, California Cream Butter.		

COS VARIETIES.

Prince of Wales Cos, White Paris Cos, and Green Paris Cos.....	20	5
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LEEK.

One ounce of seed will sow 100 feet of drill.

	lb.	oz.	pkt.
Musselburgh—A much esteemed variety.....	\$1 50	15	5
Monstrous Carentan—A large and excellent variety.....	1 50	15	5

MUSTARD.

A pungent salad generally used with Cress.

Ostrich Plume Mustard—Handsome variety, excellent for garnishing.	15	5
Giant Southern Curled—Grows 2 feet in height, fine for garnishing.	10	5
Chinese Curled—Leaves crimped and twice the size of the ordinary variety.	10	5
White—Best variety for salads.	30	10
White—Second quality. For flavoring pickles and relishes.	20	5



MONSTROUS CARENTAN LEEK



ROCKY FORD MELON



MONTREAL NUTMEG—OUTREMONT BEAUTY



MUSHROOMS

MELON.

A rich sandy soil and good seed are the imperative requisites for success in raising prime Melons. The seed should not be planted until the ground has become dry and warm; plant in hills six feet apart each way; old, well-rotted manure should be thoroughly mixed with the soil in each hill, and in liberal quantity. Put six to ten seeds in a hill, and, when danger from insects is past, leave three or four of the strongest plants only.

Montreal Nutmeg should be started in a hotbed in pots or inverted sods about April, and transplanted toward the end of May, still under glass, to give satisfactory results. Water Melons should be allowed more space than Musk, say 6 x 8 feet.

MUSK VARIETIES.

One ounce will plant about 70 hills.

Rocky Ford—Very early, flesh light green. A very popular sort.....	oz.	pkt.
	15	5
Paul Rose—A new salmon-colored variety. Fine shipper, uniform in size, and good flavor.....	15	5
Miller's Cream—A remarkably good variety of large size and delicious flavor.....	20	5
Montreal Nutmeg (Outremont Beauty)—Light green, thick flesh, thin rind. The best melon in cultivation.....	50	10
Jersey Belle—This is the earliest of the early ripening Cantaloupes. Flesh green and of good flavor.....	15	5
Early Hackensack—Ripens early, very productive, flesh green, fine flavor.....	15	5
Green Nutmeg—A green-fleshed variety, finely netted, slightly oval shaped.....	15	5
Long Yellow Musk—Large, deep ribbed.....	15	5
Bay View—Large and productive, flesh sweet.....	15	5
Emerald Gem—Skin an emerald green, white ribbed and smooth; flesh salmon colored.....	15	5
Vine Peach—Delicious and much resembles a peach.		5
Garden Lemon—Grows a trifle larger than a lemon, used for preserving.....		5

WATER MELON.

One ounce will plant about 30 hills.

Fordhook Early—The earliest large fruited melon in cultivation. Skin dark green with faint stripes of lighter green. Flesh bright red, crisp, sweet and of splendid quality.....	15	5
Cole's Early—A fine medium round variety, bright red flesh, thin rind.....	15	5
Green and Gold—Flesh bright straw color and of fine quality. Skin dark green.....	15	5
Improved Mountain Sprout—A long variety, with dark green skin. Fine quality of flesh.....	15	5
Peerless—Very solid, sweet scarlet variety.....	15	5
Phinney's Early—Very early, flesh scarlet.....	15	5
Citron—For preserves.....	15	5
Colorado Citron—Large green skinned variety.....	15	5

MUSHROOM SPAWN.

Fresh English Mushroom Spawn—Per brick, 15c.; per dozen bricks, \$1.25; per 100 bricks, \$8.00—by freight at purchaser's charges. Twenty-five bricks at 100 rates. Special quotations to florists for large quantities.

Add 5c. per brick for postage.



ONION SEED.

One ounce will sow 100 feet of drill. Quarter pound at pound rates.

CULTURE

Onion seed should be sown as soon as possible in the spring, even if the weather is cold, just so the soil works up well. This gives the onions a good start ahead of the weeds, and before dry weather can set in. AFTER THOROUGHLY PULVERIZING THE SOIL, SOW THINLY 4 TO 5 POUNDS TO THE ACRE, IN DRILLS ONE FOOT APART AND ABOUT ONE-FOURTH INCH DEEP. When well started, say four inches high, thin out to stand three to four inches apart in the rows, keeping them well hoed and free from weeds. Onions delight in rich, deep, sandy loam and succeed well if grown for a succession of years on the same ground. Deep ploughing is said to prevent blight. Heavy manuring and thorough cultivation are essential.

	lb.	oz.	pkt.
Ailsa Craig—A large handsome exhibition variety of superior mild flavor. Seed should be sown early in hotbed and plants pricked out in May.	25	5	
Cranston's Excelsior—Another large British Exhibition variety of fine appearance and quality. Should be treated in same manner as the Ailsa Craig.	25	10	
Large Red Wethersfield—Large flat handsome bulbs; is the standard variety in this market.	\$1 50	15	5
Extra Early Red Wethersfield—Similar to Red Wethersfield, but smaller and earlier.	2 00	20	5
Yellow Globe Danvers—Early and of mild flavor; a good cropper.	1 50	15	5
Giant Prize Taker—This immense Spanish variety is probably the largest onion grown. The outside skin is of a rich straw color, while the flesh is white, mild and tender.	1 75	20	5
Giant Red Prize Taker—Same as preceding, but red skin; a splendid sort.	2 00	20	5
Silver King—In shape somewhat flat, and of exceedingly mild and delicate flavor.	2 00	20	5
Southport Red Globe—Mild flavor, handsome shape.	1 75	25	5
Southport White Globe—Same, except color.	3 00	30	5
Giant Rocca—A globe-shaped sort, yellowish color; grows very large, and is of mild flavor.	1 50	15	5

PICKLING ONIONS.

Early White Barletta—A white pickling variety, is three weeks earlier than The Queen, and must on that account become a favorite.	2 00	25	5
The Queen—A small, silver-skinned variety; remarkably early. Makes a fine pickling onion.	2 00	25	5

ONIONS FOR BUNCHING.

Marvel of Pompeii—Has produced onions 4 to 5 lbs. each. Seed must be started under glass and plants pricked out.	30	5
Mammoth Red Pompeii—A very large sort, of bright red color.	20	5
Globe Red Maderia.	20	5
Giant White Italian Tripoli—Large size, beautiful form, fine white skin. First season will grow an onion from 1 to 1½ pounds.	20	5

QUALITY COUNTS IN
SEED

BUY THE BEST—WE DO

ONION SETS.

If by Post, 5c. per lb. advance. Special prices on large quantities.
(Retail Price).

	lb.		lb.
Red Bottom Sets.	20	Top or Bottom Onions.	30
White Bottom Sets.	25	Potato Onions or Multipliers.	15
Yellow Bottom Sets.	20		

Special prices to Market Gardeners requiring quantities.

OKRA.

The seed pods of this vegetable are used in soups and stews, and also served as asparagus.
Long Green.oz. 20c., pkt. 5c.

ONION SETS



PEAS.

One pound or pint will plant about 50 feet of drill.

Two bushels will plant an acre in drills.

Add 5c. per pound postage on Peas.

EXTRA EARLY VARIETIES.

	lb.
Little Marvel —An extraordinary cropper; pods dark green, of medium size, freely produced in pairs and closely filled; height 20 inches.....	25
Mauretania —The earliest white pea. Height 2 feet. Hardy and vigorous constitution and with better filled pods, larger peas and better quality than other extra earlies.....	20
Sutton's Excelsior —Much larger and earlier than American Wonder. A free cropper and of excellent flavor; height 20 inches.....	25
Witham Wonder —A splendid dwarf wrinkled Pea, about 1 foot in height; producing an abundance of long, curved pods, filled to the point. Exceptionally sweet.....	25
Market Gardener's Extra Early —Round white variety, height about 2½ feet. One of the earliest and best first crop peas. It is a splendid bearer and ripens evenly. A smooth Pea.....	15
Nott's Excelsior —Of compact growth, with pods one-third larger than American Wonder.....	25
Rivenhall Wonder —The best and most prolific dwarf Pea up to date. Will bear an average of eight large pods to plant, each pod averaging eight to ten large peas. Sweet and delicate flavor.....	25
Thomas Laxton —A cross between Gradus and one of the extra early sorts. It ripens within a day or two of the earliest round varieties, and is very productive. The pods are large and contain seven or eight large sized wrinkled peas of the finest flavor.....	25
Gradus, or Prosperity —The earliest large podded green wrinkled variety.....	30
American Wonder —An early wrinkled sort; one of the best dwarfs.....	20
Premium Gem —A fine flavored dwarf wrinkled variety.....	20

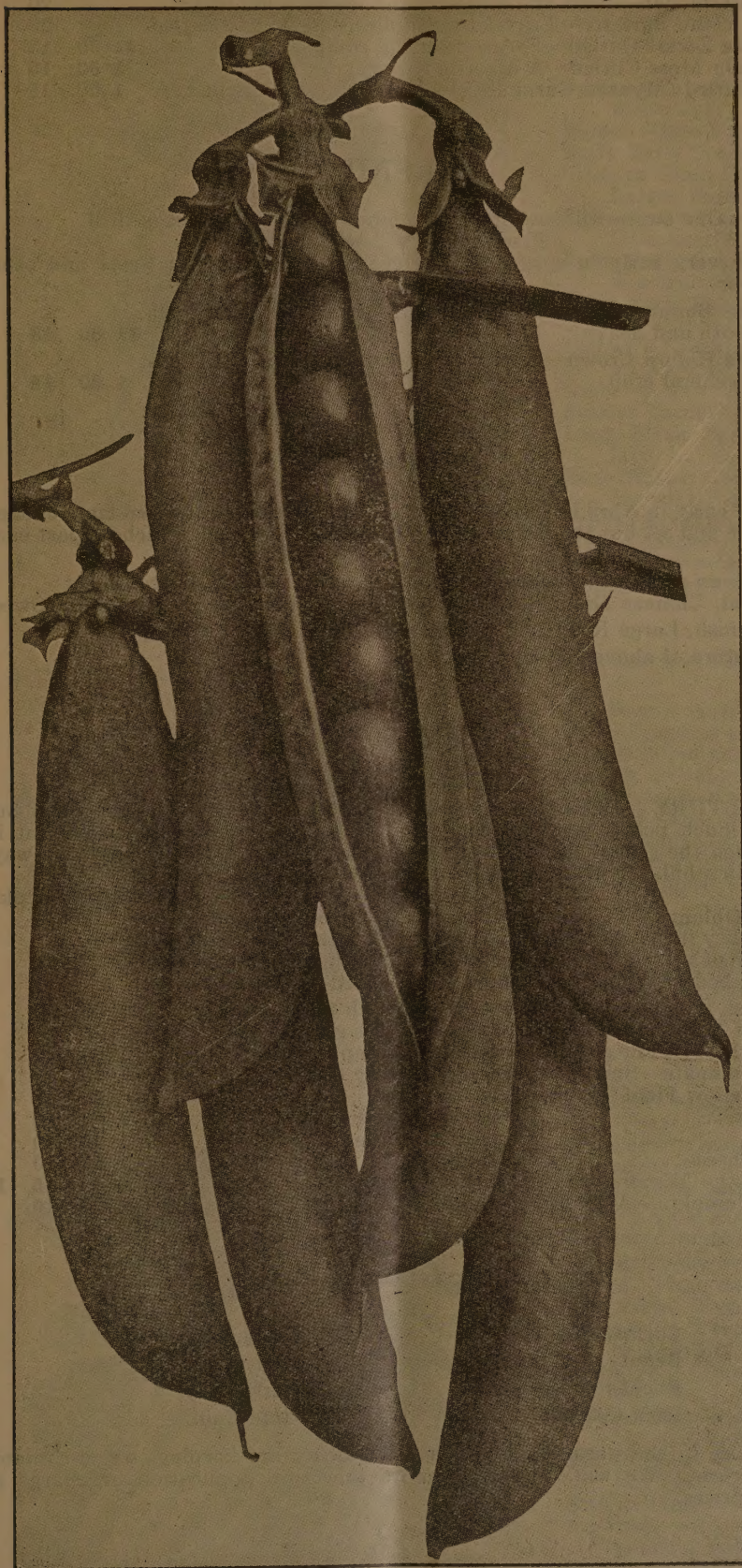
SECOND EARLY AND MAIN CROP VARIETIES

Horseford's Market Garden —It requires no brushing, is extremely prolific, and bears its pods in pairs.....	20
Dwarf Telephone —Similar to Telephone, but height only 2 feet; splendid variety.....	25
Admiral Dewey —A heavy cropper of splendid quality and robustness of growth, pods from 5 to 6 inches in length, well filled with exceptionally large peas. Height of vine 3½ feet.....	25
Triumph —An excellent variety; height 3 feet. Should be staked to give best results, large pods..	20
Improved Stratagem —Heavy cropper and fine flavor. Peas large and pods long, 2 feet.....	25
Telephone —A wrinkled marrow pea of the best quality, very productive, stalks averaging 15 to 20 pods each; 4 feet.....	25
Champion of England —Green wrinkled, of fine flavor, and is about the best sort for general crop; 4 feet.....	20

All Peas 3 feet and over in height should be grown on brush to be satisfactory.

FIELD VARIETIES.

Black Eye Marrowfat	Very prolific; pods ripen at same time, so successive sowing should be made.....	bush
White Marrowfat		
Canadian Beauty (Field Pea).....		1 35



IMPROVED STRATAGEM PEA



Q U A L I T Y
IN SEEDS IS OF THE FIRST IMPORT-
ANCE
IT PAYS TO BUY THE BEST
WE BUY THE BEST IRRESPECTIVE
OF COST



PROCOPP'S GIANT PEPPER

PARSLEY.

	lb.	oz.	pk
Dwarf Perfection—Neat and compact and leaves just perfect.	20	5	
Beauty of the Parterre—Leaves beautifully crimped and curled. . .	20	5	
Exquisite Dwarf Curled—Forms beautiful compact leaves.	\$1 50	15	5
Champion Moss Curled—A favorite variety.	1 50	15	5
Extra Curled (Myatt's Garnishing)—Handsome and distinct. . . .	1 00	15	5

PARSNIP.

One ounce will sow about one hundred and fifty feet of drill.

Five pounds will sow an acre.

Sow very early in spring. Same general culture as for Beets and other root crops.

Magnum Bonum—A superior half-long variety. Very thick, smooth and heavy.	\$1 00	15	5
Improved Hollow Crown—Heavy cropper, long smooth root, best for general crop.	1 00	15	5

PEPPERS.

Sow early in April in greenhouse or hotbed. Transplant when large enough to handle and set out the latter part of May in mellow soil 16 inches apart each way.

We can supply the following varieties at 40c. per oz., or 5c. packet:

Chili Red, Chinese Giant, Cardinal, Procopp's Giant, Sweet Mountain, Sweet Spanish, Large Red, Bell or Bullnose, Golden Dawn, Cherry.
Mixture of above, oz. 40c., pkt. 5c.

PUMPKIN.

(One ounce will plant 15 hills).

CULTURE.—Pumpkins are usually raised in connection with corn, but will do much better when grown in light rich soil by themselves. Plant in May when the ground has become warm, in hills 8 to 10 feet apart each way, 4 seeds in a hill. With corn, plant seed every third row.

	lb.	oz.	pkt.
Golden Oblong—Very hardy and productive; pumpkins fifteen to twenty inches in length and eight to ten inches in diameter. Skin of a rich golden orange, thin but tough, making it almost as good a keeper for winter as the hard-shelled squashes. Flesh is light golden yellow, of very rich fine quality.	\$1 00	10	5
Etampes Mammoth Red—A fine variety for general use.	1 00	15	5
Quaker Pie—A fine grained oval shaped pumpkin of rich flavor. .	1 00	10	5
Sugar Pumpkin—Small, but fine grain, very sweet.	1 00	10	5
Large Yellow Field—For feeding stock.	40	10	5
Calhoun.	1 00	10	5
Cushaw.	1 00	10	5
Large Cheese.	1 00	10	5
King of the Mammoths—Grow this for exhibition.	2 00	15	10
Whale Pumpkin—A very large long shaped green skinned variety. .	1 00	10	5

SELECTED POTATOES.

Carman No. 1,	Early King,
Beauty of Hebron,	Early Sunrise,
Rochester Rose,	Early Ohio,
Irish Cobbler,	Gold Coin.

Owing to the unsatisfactory way the tubers are keeping, we are unable to fix prices. We will, therefore, quote prices on application or charge at market prices.

BUG DEATH INCREASES THE CROP. KILLS THE BUGS.
IMPROVES THE QUALITY.
ASK FOR BUG DEATH.



EMDRUP RADISH

RADISH.

One ounce will sow 100 feet of drill.

When a greenhouse is available Radishes may be had all the year round. In May they may be sown out of doors. Successive sowings should be made every two weeks in rows one foot apart. To be crisp and tender they should make rapid growth—hence thorough cultivation.

	lb.	oz.	pkt.
Emdrup Excellent—New Danish variety, rose color with white tips. Ready in one month after sowing.....	80	15	5
Model White Box—Very early and delicious white radish.....	80	15	5
Extra Early Scarlet Forcing—Fine early variety, small tips.....	80	15	5
Crimson Giant Forcing—Another splendid forcing variety. Larger than the preceding.....	70	15	5
Extra Early Non Plus Ultra—Short top and few leaves. Dark scarlet.....	70	15	5
Extra Early Scarlet White Tipped—A fine forcing variety of attractive appearance.....	70	15	5
Extra Early Rosy Gem—A handsome scarlet white tipped variety; fine forcer.....	70	15	5
Cooper's Sparkler—A distinct variety, colour a rich carmine scarlet with a large white tip.....	75	5	5
Icicle—A new white variety of fine quality.....	60	10	5
Scarlet Turnip—Round.....	60	10	5
Long Black Spanish—Winter variety; should be sown late.....	70	10	5
Rose Winter China—Keeps well stored in sand in a cellar for winter use.....	60	10	5
French Breakfast—Very early and tender.....	60	10	5
New Chartier—A long scarlet variety; very early long smooth root, and of mild flavor.....	70	10	5
Chinese White Winter or Celestial.....	70	10	5



VIROFLAY SPINACH

SPINACH.

One ounce will sow 100 feet of drill. Ten or twelve pounds for an acre in drills.

Sow in early spring, in drills a foot apart, every two weeks for a succession, and as it grows, thin out for use. Sow the seed of New Zealand in hills 2 feet apart each way, three or four seeds in a hill. This is fit for cutting all summer.

	lb.	oz.	pkt.
Bloomsdale—Fine reliable variety.....	40	10	5
Viroflay—One of the best varieties for market gardeners.....	40	10	5
Early Round—Good for general crop.....	40	10	5
Winter or Prickly—Hardy, for autumn sowing.....	40	10	5
Victoria Improved Round—Leaves thick and of dark green color.....	40	10	5
New Zealand Summer—This plant is not a spinach, but it is used as such; it grows 1½ feet high and is very prolific; grows well during hot summer weather when the ordinary Spinach cannot be had. The seed should be soaked in hot water before sowing. Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. \$1.00.			

SQUASH.

1 Ounce for 50 hills.

Cultivate same as pumpkins, but for bush varieties allow about 5 feet each way between hills.

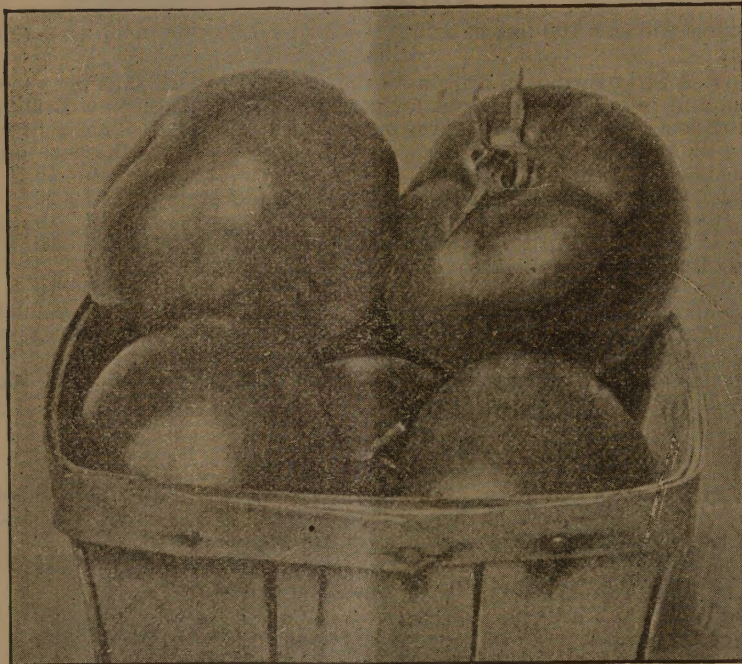
	lb.	oz.	pkt.
Delicious—Green skin, orange flesh, very fine grained, sweet and dry.....	\$1 00	15	5
Early White Bush Scallop { Both very productive and early.....	80	10	5
Early Yellow Bush Scallop { early.....	80	10	5
Summer Crookneck { Both good, the Summer being the best early squash.....	80	10	5
Winter Crookneck { best early squash.....	80	10	5
Faxon—Flesh deep orange yellow, Winter Squash.....	80	10	5
Bay State—Extremely solid. Flesh dry and fine flavor.....	1 00	15	5
Mammoth Warted Hubbard—This is a select strain of this variety, the squashes growing to a great size.....	1 00	15	5
Hubbard—A large, green, late sort; very dry flesh, best Winter.....	1 00	10	5
Golden Hubbard—Same shape as old fashioned Hubbard but skin is rich orange color.....	1 00	10	5
Marblehead—A winter variety resembling the Hubbard, but lighter color flesh, dry and sweet.....	1 00	10	5
Boston Marrow—A late variety; a good keeper, yellow.....	80	10	5
Fordhook—An excellent squash of handsome appearance, yellow outside and straw yellow within.....	1 00	10	5
Mammoth Chili—Rich yellow flesh; grows to an enormous size.....	15		5
Vegetable Marrow—The favorite English variety; fruit long white with white flesh.....	1 50	20	5
Long White Bush Marrow—This variety is a great improvement on the old trailing Vegetable Marrow. The fruit is larger and handsomer.....	1 50	20	5



VEGETABLE MARROW



LIVINGSTON'S NEW GLOBE TOMATO.



CHALK'S EARLY JEWEL

**RHUBARB.**

Early Raspberry—An early variety of fine color and flavor.....	oz.	pkt.
Victoria—A well known variety	25	10
Linnaeus—Early large, tender	20	5

RHUBARB ROOTS.

These are better for ready effect than the somewhat slow process of establishing a bed from seed. Strong Roots 20c. each; 4 for 75c. \$2.00 per doz.

SALSIFY OR OYSTER PLANT.

The Oyster Plant should be grown on light, sandy loam in order to secure success. Cultivate the same as Parsnip.

Mammoth Sandwich Island Variety—This new type produces roots nearly double the size of the old variety, and equally as well flavored.....	lb.	oz.	pkt.
	2	00	20 5

TOMATO.

One ounce will produce about 1,200 plants.

Sow in a greenhouse or hotbed in March; when the plants are two inches high transplant into pots, or into another bed, and attend to them carefully—giving all air possible until danger from frost is over. Plant out 4 feet apart each way, fully exposed to the sun. For the very best results train on a trellis. This vegetable should be in every garden.

Bonny Best—A good forcing variety. Fruits round, scarlet and good quality and very prolific.....	oz.	pkt.
Holmes' Supreme—A fine forcing variety.....	40	10
Carter's Sunrise—English forcing sort, Rich scarlet in color, with solid but delicate flesh, containing but few seeds. Very prolific, fruit medium size.....	60	10
Danish Export—Very early and good yielder. Perfectly smooth, red and round, and a fine shipper.....	40	10
CHALK'S EARLY JEWEL—Very fine sort, large, bright red and solid, similar to Stone, but early.....	50	10
SPARK'S EARLIANA—The earliest of all smooth Tomatoes. Bright red color, and fine texture of flesh.....	30	5
Dwarf Champion—Erect habit, fine form and color, and rich, meaty quality of fruit.....	30	5
JUNE PINK—New. The earliest pink Tomato. Habit similar to Earliana and as early as that popular variety. Fruit medium sized, smooth.....	35	5
LIVINGSTON'S NEW GLOBE—Color glossy rose, tinged purple, large size and very solid.....	35	5
MATCHLESS—Early and of beautiful and uniform shape, good size, dark red and possessing extraordinary keeping qualities.....	30	5
DWARF STONE—The largest fruited upright growing Tomato yet introduced. May be planted 2 to 3 feet apart each way. Fruit round and solid, and very productive.....	30	5
Ponderosa—Huge fruit, solid and of exceptionally fine flavor. Must be trained on a stake or trellis to be satisfactory.....	40	5
We can also supply Improved Stone, Success Enormous, New Imperial, Beauty.....	30	5

YELLOW AND PRESERVING VARIETIES.

Large Yellow—Useful for preserves.....	35	5
Yellow Plum—For preserves.....	40	5
Strawberry—Ground Cherry or Husk Tomato—is strawberry flavored, and is used for preserving.....	50	5
Peach Tomato—This beautiful variety is solid and red colored inside.....	40	5
Pear Shaped—For preserves.....	40	5

TOMATO PLANTS.

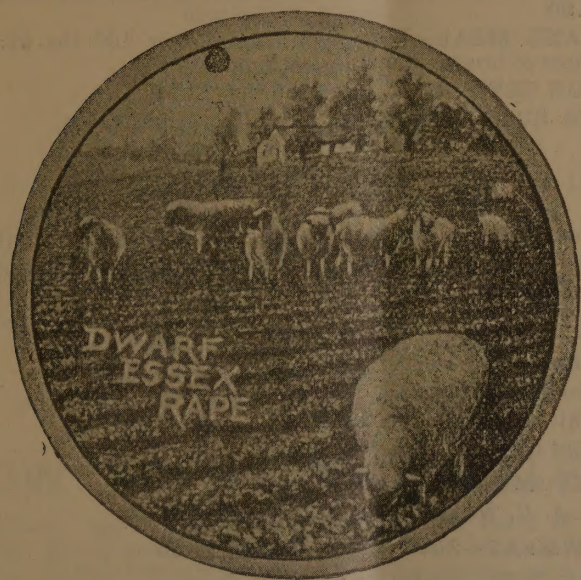
We can supply fine box grown transplanted plants at 30c. per dozen.



GARDEN TURNIPS



MAGNUM BONUM SWEDE



TURNIPS.

When 5 lbs. or over are ordered, deduct 5 cents per pound from above prices. When ordered to be sent by post, add 5 cents per pound to list prices. Sow 2 to 4 pounds per acre in drills.

TURNIP.

GARDEN VARIETIES.

One ounce will sow one hundred and fifty feet of drill.

	lb.	oz	pkt.
Extra Early White Milan—The very earliest turnip in cultivation.....	80	10	5
Early Purple Top Milan—Medium size, very smooth, flesh white and of fine quality....	75	10	5
Early Snowball—Flesh firm and fine grained...	50	10	5
Robertson's Golden Ball—The best of the yellows for general crop.....	50	10	5
Early Stone—Matures quickly.....	50	10	5
White Dutch—Very fine and juicy.....	50	10	5
White Strap Leaved—Fine early sort.....	50	10	5
Red Strap Leaved.....	40	10	5
Altringham—A fine heavy yellow variety.....	40	10	5

BEST SWEDISH VARIETIES.

	lb.
Magnum Bonum Purple Top—A fine new variety, recommended by the Ontario Agricultural College.....	30
Best of All—Purple top, splendid tankard shaped variety.....	30
Kangaroo—Bronze green top.....	30
Hall's Westbury—A round, purple top variety, heavy cropper, good keeper.....	25
Champion Purple Top.....	25
Skirving's—Purple top.....	25
Elephant or Monarch—Purple top.....	30
Green Top.....	30
Hartley's Bronze Top.....	30
Sweet German Swede—A medium garden turnip of extraordinary fine flavor.....	40

YELLOW FLESHED TURNIP.

Green Top Yellow Aberdeen.....	30
Purple Top Yellow Aberdeen.....	30

WHITE FLESHED TURNIP.

Mammoth Purple Top White.....	25
White Globe (Pomeranian).....	25
Grey Stone.....	30
White Flat Norfolk.....	30

TOBACCO.

One ounce will produce enough plants for an acre.

CULTURE.—Sow in April in a hotbed and when the plants are about 4 inches high plant out into rows 3 feet apart each way.

	oz.	pkt.
Canelle—A fine flavoured, small Canadian variety..	50	5
Havanah—Grown from seed imported.....	50	5
Connecticut—An old well-known variety.....	30	5
Improved White Burley—A splendid large-leaved variety.....	30	5
Yellow Prior—A strong grower and of superior quality.....	30	5
Virginian.....	30	5

RAPE -- Broad-Leaved Essex.

This valuable fodder plant is easy to cultivate and has peculiar advantages as a "catch crop." It can be sown like turnips in drills at the rate of 2 lbs. to the acre, or, if the soil is clean, can be sown broadcast at the rate of 5 to 6 lbs. per acre. No other crop will fatten hogs or sheep so cheaply as Essex Rape. It also makes an excellent "Cover Crop" for orchards. It can be sown with good results any time in June or early in July. Per lb., 10c., 10 lbs. 90c., 100 lbs. \$8.00.

HERBS.

SWEET POT AND MEDICINAL.

	oz.	pkt.
Anise—For seasoning; resembles Fennel.....	25	5
Angelica—For seasoning.....	25	5
Balm—Used for making Balm tea.....	30	5
Basil Sweet—Leaves used for soup.....	35	5
Caraway.....	15	5
Catnip—A favorite medicinal herb.....	75	5
Coriander—Used for garnishing, and the seeds for confectionery.....	15	5
Dill—Used for flavoring soups, etc.....	25	5
Fennel—Fine for garnishing.....	25	5
Fenugreek—For medicinal purposes.....	15	5
Henbane—Used as an opiate.....	20	5
Hyssop—Used for medicinal purposes.....	35	5
Horehound—For medicinal purposes.....	35	5
Lavender—A popular aromatic herb.....	60	5
Pennyroyal.....	10	
Peppermint.....	10	
Pot Marjoram.....	60	5
Rosemary—An aromatic herb.....	60	5
Sweet Marjoram—For seasoning.....	20	5
Summer Savory—For seasoning.....	15	5
Sage—Used for dressing and sauces.....	20	5
Saffron.....	25	5
Sorrel Broad Leaved—Used for salads.....	15	5
Tansy.....	40	5
Thyme, Summer—For seasoning, etc.....	30	5
Thyme, Winter.....	25	5
Wormwood.....	40	5
Winter Savory.....	25	5

GRAHAM'S STANDARD
BIRD SEED.

The average possessor of a song bird imagines that a "package of bird seed" is all that is required, and seldom or ever examines the contents to see whether it contains poor, weak, badly filled, dirty and sometimes musty seed; or fine, bold, clean, well filled seed. No bird can thrive and sing on the former grade. The secret of success with song birds is to feed them on wholesome, high grade, clean seed. Our Standard Bird Seed Mixture is composed of the highest grades of Spanish Canary, Sweet German Rape, Hemp, Japanese Millet, Lettuce Seed and Teazle, and each package contains a piece of clean cuttle fish bone. Our mixture is composed of the choicest of the seeds mentioned above and we claim it to be the best procurable. Nothing is so conducive, therefore, to the health and cheerfulness of our feathered pets than clean, good seed—nothing so bad for them as cheap, poorly developed, light and dusty seed.

Owing to the high values in Canary we have been compelled to raise the price.....	1 lb.	10	3 lbs.	25
Russian Sunflower.....	1 lb.	10	3 lbs.	25
Canary, Hemp, Millet, each.....	1 lb.	10	3 lbs.	25
Maw, per lb.....				25
Cuttle Fish Bone, per lb. 60c., oz.....				5
Lettuce Seed, oz.....				5
Bird Gravel, per pkt., 10c., small.....				5
English Bird Gravel, pkt., 15c. and.....				25
English Parrot Grit, pkt.....				25
Mite Destroyer, per pkt.....				10
Bird Treat, per pkt.....				5
Song Restorer, bottle.....				20
Bird Tonic.....				15
Red Mite Destroyer, bottle.....				20

MISCELLANEOUS.

HORSE BEANS—Sow in drills, 30 inches apart, 1½ bushels per acre, in well manured land, early, and, if possible, in clay or heavy loam. Peck 70c., bushel \$2.50.

RAPE (Dwarf Essex)—While unequalled as a pasture for sheep, as a fattening food for all kinds of live stock, it is without rival in point of cheapness or effectiveness. Per lb. 10c., per 100 lbs. \$8.00, 10 lbs. 90c. Postage 5c. per lb. extra.

WILD RICE (Zizania Aquatica)—Much sought after owing to its having attractions for water-fowl. Lb. 25c., 10 lbs. 20c, per lb.

TARES, or VETCHES—Very valuable as a green fodder for horses or milch cows, and can be sown as soon as the snow goes, thus making it the earliest fit for use of any spring-grown forage plant. Bushel \$2.40.

SPELTZ—A heavy cropper, excellent feed for stock when ground. Per lb. 8c., bushel 40 lbs. \$1.50.

SUNFLOWER (Mammoth Russian)—For parrots, fowls, horses, and for medicinal purposes. Per 100 lbs. \$6.00 per lb. 10c., 3 lbs. 25c. Sow 7 lbs. per acre.

FLAXSEED—For sowing, feeding and medicinal purposes. Per 100 lbs. \$4.00, lb. 5c.

FLAXSEED MEAL—Pure Ground Flaxseed for feeding and medicinal purposes. Lb. 5c., 100 lbs. \$4.00.

POP CORN—Per lb. 10c., 3 lbs. 25c. Poppers 20c, each

LIMA BEANS—Per lb. 10c., 3 lbs. 25c.

PEA BEANS—Per lb. 7c.

PEAS—Green Scotch, for soup. Lb. 7c.

LENTILS—Fine for soup. Lb. 12c.

CALIFORNIA PEA BEANS—Lb. 7c.

WHITE KIDNEY BEANS—Lb. 7c.

WHITE MUSTARD SEED—For medicinal use. Lb. 20c.

VICIA VILLOSA, or Sand Vetch—Lb. 15c.

PUMPKIN SEED—For medicinal purposes. Lb. 20c.

BIBBY'S CREAM EQUIVALENT—50 lb. bag \$2.00, 100 lbs. \$3.90.

OIL CAKE MEAL—Livingston Brand, per 100 lbs \$2.00, prices of larger quantities on application.

COTTON SEED MEAL—Per 100 lbs. \$2.75.

AMBER SUGAR CANE—Per 100 lbs. \$5.00, lb. 7c.

SEED GRAIN.

Seed Grain fluctuates in price in the spring months. We will therefore be pleased to quote special prices on application.

WHEAT (Marquis)—Bushel \$1.80.

White Fife—Bushel \$1.65.

Red Fife—Bushel \$1.50.

White Russian—Bushel \$1.60.

Wild Goose—Bushel \$1.65.

BARLEY (Mensury)—Bushel \$1.20.

O. A. C. No. 21—Six row. Bushel \$1.25.

BUCKWHEAT—Silver hull. Bushel \$1.00.

SPRING RYE—Bushel \$1.65.

OATS—Improved Banner. Bushel 80c.

Sensation—Bushel 80c.

New Market—Bushel 75c.

Ligowo—Bushel 80c.

PEAS—Prince Albert—Bushel \$2.00,

Golden Vine—Bushel \$2.00.

GRASSES AND CLOVERS.

GENERAL LIST.

Prices subject to market changes. When wanted by mail add 5c. per pound. bush. lb.

Bromus Inermis (Awnless Brome Grass)—The fodder grass of the Northwest.....	14 lbs.	20
Canadian Blue Grass (<i>Poa Compressa</i>)—One of the best grasses for lawns.....	14 lbs.	15
Crested Dog's Tail (<i>Cynosurus Cristatus</i>)—Should enter in moderate quantity in permanent pasture mixtures and lawns.....	21 lbs.	40
Creeping Bent (<i>Agrostis Stolonifera</i>)—Of dwarf creeping habit, indispensable for golf grounds or croquet lawns.....		35
Perennial Rye Grass (<i>Lolium Perenne</i>)—A valuable grass.....	24 lbs.	10
Hard Fescue (<i>Festuca Durinscula</i>)—A dwarf growing grass of great value, succeeding well in dry situations.....	12 lbs.	35
Hungarian Grass (<i>Pinicum Germanicum</i>)—Is a valuable annual forage plant, one bushel to the acre. Bushel, \$1.60.....	48 lbs.	4
Kentucky Blue Grass (<i>Poa Pratensis</i>)—Choice. One bushel to the acre. Bushel, \$1.65....	14 lbs.	20
Millet Improved—A valuable annual grass. One bushel to the acre. Bushel, \$1.65....	48 lbs.	4
Meadow Fescue (<i>Festuca Pratensis</i>)—Of great value in mixtures for permanent pastures..	22 lbs.	30
Meadow Foxtail (<i>Alopecurus Pratensis</i>)—Is the principal grass in all rich natural pastures..	7 lbs.	50
Orchard Grass (<i>Dactylis Glomerata</i>)—One of the most valuable grasses, either for pasture or hay.....	14 lbs.	22
Red Top Grass (<i>Agrostis Vulgaris</i>)—Choice...	14 lbs.	20
Red Top Grass (<i>Agrostis Vulgaris</i>)—Fancy and extra re-cleaned seed.....	22 lbs.	25
Sheep's Fescue (<i>Festuca Ovina</i>)—Short and dense in growth, excellent for sheep pastures.....	12 lbs.	30
Tall Meadow Oat Grass (<i>Avena Elatior</i>)—Recommended for soiling, being rapid and luxuriant in its growth.....	10 lbs.	35
Timothy, or Herds Grass (<i>Phleum Pratense</i>)—We offer a particularly choice sample. Price on application.....	45 lbs.	10
Wood Meadow Grass (<i>Poa Nemoralis</i>)—Of early growth and thrives well under trees..	14 lbs.	50

CENTRAL FARM LAWN GRASS.

This, our special and popular mixture, is approved by the Central Experimental Farm as being most suitable to the Canadian climate.

Sow 1 lb. to 500 sq. ft., 80 lbs. to the acre.
Per lb. 30c.
Postpaid for 35c.

SHADED PLACES LAWN GRASS.

A mixture specially prepared for shaded situations from the best adapted grass.

Per lb. 40c.
Postpaid 45c.

GOLF MIXTURE.

The best mixture to stand the wear and tear of the Links.
Per lb. 25c. Per 100 lbs. \$20.00.

PERMANENT PASTURE MIXTURE.

Composed of the best clovers and grasses, properly balanced for establishing a permanent pasture.

Sow 40 lbs. to an acre.
Price per 100 lbs. \$20.00.....22c. per pound.

HOW TO GROW ALFALFA.

Alfalfa can be grown in practically all parts of this country, giving good yields of the very finest forage and improving the soil where it grows. There are certain conditions which are necessary for the successful growth of Alfalfa and careful attention must be given to them. Well drained loose surface and sub-soil is best, but any well drained soil will do. The land should be reasonably rich and supplied with organic matter. The food value of Alfalfa has been so fully demonstrated in all parts of the country that further mention is unnecessary. The fact of interest to the practical farmers is that—IT IS POSSIBLE AND PRACTICAL TO GROW ALFALFA ON YOUR FARM!

CLOVERS.

Postage at the rate of 5c. per pound must be added if wanted by post.

Alfalfa, or Lucerne (<i>Medicago Sativa</i>)—In light soils, particularly in southern latitudes, it is invaluable.....	60 lbs.	18
Alsike, or Hybrid Clover (<i>Trifolium Hybridum</i>)—Equal in nutritive value to the Red Vine Clover, and excellent for land that is clover sick.....	60 lbs.	23
Mammoth Red, or Pea Vine Clover (<i>Trifolium Pratense Perenne</i>)—Or Long Late Clover..	60 lbs.	22
Red Clover, Medium (<i>Trifolium Pratense</i>),...	60 lbs.	22
Sainfoin (<i>Onobrychis Stiva</i>)—A valuable fodder plant on light, dry sandy soils.....	20 lbs.	15
White Dutch Clover (<i>Trifolium Repens</i>)—Should be used in all mixtures for permanent pastures and for lawns.....	60 lbs.	45
Crimson Clover (<i>Trifolium Incarnatum</i>)—Fairly hardy and makes a luxuriant growth in the beginning of the season.....	60 lbs.	15
Bokhara Clover—Sweet scented.....	60 lbs.	28

PRICES OF TIMOTHY, CLOVER, &c., PER 100 LBS. ON APPLICATION.

A Handy Guide to the Selection of Flower Seeds.

FLOWERING HARDY PERENNIALS AND BIENNIALS

For Permanent Planting, Flowering the Second
Year from Seed.

Abbreviations H.P. & H.B.

Achillea.	Hollyhock, H.B.
Aconitum.	Heuchera.
Alyssum.	Lychnis.
Aquilegia.	Lobelia.
Auricula.	Pentstemon.
Arabis.	Physalis.
Bridal Rose, H.B.	Polyanthus.
Carnation, H.B.	Pyrethrum.
Campanula, H.B.	Phlox Decussata.
Chrysanthemum.	Primrose.
Daisy.	Rudbeckia.
Digitalis, H.B.	Salvia.
Delphinium.	Sweet William.
Erythrinum.	Violet.
Forget-Me-Not.	Valerian.
Gypsophila.	

GARDEN ANNUALS.

Flowering the First Season from Seed.
Abbreviations H.A., H.H.A. & T.A.

Asters.	Lobelia.
Abronia.	Marvel of Peru.
Acroclinum.	Malope.
Adonis.	Maize.
Ageratum.	Mesembryanthemum.
Agrostema.	Mignonette.
Alyssum.	Mimulus.
Antirrhinum.	Marigold.
Amaranthus.	Nasturtium.
Asperula.	Nemophila.
Arctotis.	Nicotiana.
Balsam.	Nigella.
Bartonia.	Nemesia.
Beet.	Pansy.
Browallia.	Petunia.
Brachycome.	Perilla.
Candytuft.	Portulacca.
Cacalia.	Prince's Feather.
Carduus.	Pyrethrum.
Catchfly.	Poppy.
Calendula.	Phlox Drummondii.
Centaurea.	Ricinus.
Celosia.	Salpiglossis.
Clarkia.	Salvia.
Chrysanthemum.	Sensitive Plant.
Clintonia.	Stocks.
Coreopsis.	Statice.
Cockscomb.	Sweet Scabious.
Datura.	Sweet Pea.
Dianthus.	Schizanthus.
Eschscholtzia.	Sunflower.
Gaillardia.	Thunbergia.
Gilia.	Torenia.
Globe Amaranth.	Verbena.
Godetia.	Venus Look Glass.
Hibiscus.	Viscaria.
Helipterum.	Virginian Stock.
Helichrysum.	Waltia.
Ice Plant.	Whitlavia.
Jacoba.	Wallflower.
Larkspur.	Xeranthemum.
Leptosiphon.	Zinnia.
Love-Lies-Bleeding.	

CLIMBING AND TRAILING VINES FROM SEED.

Annuals and Perennials.

Adlumia, H.P.	Linaria, T.P.
Ampelopsis, H.P.	Lophospermum.
Aristolochia, H.P.	H.H.A.
Asparagus, T.P.	Lobelia, H.H.P.
Canary Bird, H.A.	Maurandya, T.A.
Centrosema, T.P.	Moonvine, H.A.
Clematis, H.P.	Nasturtium, H.A.
Convolvulus, H.A.	Nierembergia,
Cobea, T.P.	H.H.P.
Dolichos, H.A.	Nolana, H.A.
Gourds, H.A.	Smilax, T.P.
Honeysuckle, H.P.	Sweet Peas, H.A.
Hop, H.P.	Wild Cucumber,
Ipomea, H.A.	H.A.

PLANTS FROM SEEDS.

Adapted for House Culture.

Begonia.	Impatiens.
Calceolaria.	Heliotrope.
Cineraria.	Lantana.
Cyclamen.	Musk.
Cyperus.	Primula.
Dracaena.	Solanum.
Ferns.	Schizanthus.
Gloxinia.	Stocks.
Grevillea.	Torenia.
Humea.	Vinca.

WILD FLOWER GARDEN MIXTURE.

These mixed flower seeds embrace more than 50 varieties of such easy-growing and pretty flowers as are suitable for forming a wild flower garden. They are very useful for woodland walks, roadsides, and for sowing alongside of fences and on untidy bare spots of ground which are so frequently unsightly, and which, if properly cared for and kept free from weeds, can be made to produce a continual display of bloom during the summer. Packet, 10c.

GARDEN PLANTS FROM SEED THAT

REQUIRE INDOOR PROTECTION IN WINTER.

Carnation.	Begonia.
Canna.	Lantana.
Coleus.	Musa.
Dahlia.	Musk.
Heliotrope.	Vinca.

A CAREFUL SELECTION OF
VARIETIES WILL
FREQUENTLY OBVIATE
DISAPPOINTMENT.

Handy Tables.

Seed Required to Produce a Given Number of Plants and Sow an Acre.

	PER ACRE.
Asparagus.....	1 oz. to 200 plants..... 5 to 6 lbs.
Beans, Dwarf, in hills (bu. 60 lbs.).....	2 lbs. to 200 ft. drill..... 75 to 90 lbs.
Beans, Pole, in hills (bu. 60 lbs.).....	1 lb. to 75 hills..... 1 1/2 to 2 lbs.
Beet, Garden or Sugar.....	1 oz. to 50 ft. drill..... 5 to 6 lbs.
Barley (bu. 48 lbs.).....	1 1/2 to 2 bus.
Buckwheat, broadcast (bu. 48 lbs.).....	3/4 to 1 bu.
Buckwheat, ploughing under.....	1 to 1 1/2 bus.
Cabbage, for transplanting.....	1 oz. to 2,000 plants..... 1/4 lb.
Cauliflower, for transplanting.....	1 oz. to 2,000 plants..... 1/4 lb.
Carrot.....	1 oz. to 100 ft. drill..... 2 to 3 lbs.
Celery, for transplanting.....	1 oz. to 4,000 plants..... 1/4 lb.
Clover Seed, Red (bu. 60 lbs.).....	12 to 15 lbs.
Clover Seed, White (bu. 60 lbs.).....	6 to 8 lbs.
Clover Seed, Alsike (bu. 60 lbs.).....	8 to 10 lbs.
Corn Sweet.....	1 lb. to 100 hills..... 12 to 15 lbs.
Corn, Flint (bu. 56 lbs.).....	1 lb. to 80 hills..... 15 to 20 lbs.
Corn, fodder in drills (bu. 56 lbs.).....	1/4 to 1/2 bu.
Chicory.....	1 oz. to 100 ft. drill..... 2 to 3 lbs.
Cress, Garden.....	10 oz. to 100 ft. drill..... 2 to 3 lbs.
Cucumber, in hills.....	1 oz. to 100 hills..... 2 to 3 lbs.
Egg Plant, for transplanting.....	1 oz. to 1,500 plants..... 1/4 lb.
Endive.....	1 oz. to 100 ft. drill..... 1 to 1 1/2 lbs.
Flax (bu. 56 lbs.).....	1/2 to 3/4 bu.
Hungarian and Millet (bu. 48 lbs.).....	1 oz. to 150 ft. drill..... 15 to 20 lbs.
Leek.....	1 oz. to 150 ft. drill..... 15 to 20 lbs.
Lettuce.....	1 oz. to 150 ft. drill..... 4 to 5 lbs.
Lucerne, broadcast (bu. 60 lbs.).....	1 oz. to 100 hills..... 2 to 3 lbs.
Mangel Wurzel, in drills.....	1 oz. to 25 hills..... 1 1/2 to 2 lbs.
Melon, Musk, in hills.....	1 oz. to 100 hills..... 1 1/2 to 2 lbs.
Melon, Water, in hills.....	1 oz. to 25 hills..... 1 1/2 to 2 lbs.

	PER ACRE.
Oats (bu. 34 lbs.).....	2 to 3 bus.
Onions, in drills.....	1 oz. to 100 ft. drill..... 4 to 5 lbs.
Onion Sets, for planting.....	1 lb. to 40 ft. drill..... 8 to 12 bus.
Orchard, Red Top and Blue Grass (bu. 14 lbs.).....	1 to 1 1/2 bus.
Parsley.....	1 oz. to 150 ft. drill..... 5 to 6 lbs.
Parsnip.....	1 oz. to 200 ft. drill..... 2 to 3 1/2 bus.
Peas (bu. 60 lbs.).....	2 to 3 1/2 bus.
Potatoes, in hills or drills, cut tubers.....	8 to 12 bus.
Potatoes, cut to single eyes.....	6 to 8 bus.
Pumpkin.....	1 oz. to 15 hills..... 1 1/2 to 2 lbs.
Radish.....	1 oz. to 150 ft. drill..... 2 to 3 lbs.
Rape, in drills.....	2 to 3 lbs.
Rape, broadcast.....	4 to 6 lbs.
Rye (bu. 56 lbs.).....	1 to 1 1/2 bus.
Salsify.....	1 oz. to 100 ft. drill..... 8 lbs.
Spinach.....	1 oz. to 100 ft. drill..... 10 to 12 lbs.
Squash, bush, in hills.....	1 oz. to 30 hills..... 5 to 6 lbs.
Squash, vine, in hills.....	1 oz. to 20 hills..... 3 to 4 lbs.
Tares, or Vetches (bu. 60 lbs.).....	2 to 2 1/2 bus.
Tares and Oats when sown together.....	1 bu. each
Timothy, sown alone (bu. 45 lbs.).....	12 to 15 lbs.
Tomato, for transplanting.....	1 oz. to 1,500 plants..... 1/4 lb.
Turnip, garden.....	1 oz. to 200 ft. drill..... 1 1/2 to 2 lbs.
Turnip, field.....	1 1/2 to 2 lbs.
Turnip, Swede.....	2 to 2 1/2 lbs.
Wheat, broadcast (bu. 60 lbs.).....	1 1/2 to 2 bus.
Wheat, in drills.....	1 1/2 to 1 1/2 b.
Clover { when sown together.....	8 lbs.
Timothy { when sown together.....	7 lbs.

Distances for Planting

Apples.....	30 x 40 ft.
Grapes.....	8 x 12 ft.
Currants.....	4 x 5 ft.
Raspberries.....	3 x 6 ft.
Tomatoes.....	3 x 4 ft.
Strawberries.....	1 x 3 ft.

Plants to an Acre

1 x 1 ft.....	43,560
1 1/2 x 1 1/2 ft.....	19,360
2 x 2 ft.....	10,890
2 x 3 ft.....	7,260
3 x 3 ft.....	4,840
3 x 4 ft.....	3,630
3 x 5 ft.....	2,904
4 x 6 ft.....	1,815
6 x 6 ft.....	1,210
8 x 12 ft.....	453
20 x 20 ft.....	108



Flower Seeds and their Management.

The successful raising of plants from seed is a matter in which instructions can be given only to a certain extent. Experience only can supply the knowledge necessary to determine the temperature, moisture and other conditions suitable to the different varieties. Many seeds (good fresh seeds) are lost for the want of a little skill and forethought. In outdoor culture many are sown while the ground is still too cold to permit germination, and many are buried—not sown. In the house or hotbed many are drowned. There can be no fixed time for watering. They must never be allowed to become perfectly dry—a single drying at certain stages being sufficient to destroy life. Neither should they be kept thoroughly wet. On maintaining the intermediate state success largely depends. As to covering the seeds, that must be governed by the size of the seed. A safe rule is to cover them to three times their own depth. If indoor sowing is followed, the utmost care is necessary in giving the young plants all the air possible, to make sturdy plants. Transplanting at least once before being planted out is also essential. Plants from seeds are divided into the following classes, ANNUALS, BIENNIALS and PERENNIALS.

ANNUALS.—Plants which require to be sown annually, as they live and bloom only one season. They are known as hardy (marked H.A. in Catalogue). Annuals which may be sown in the open border in May, either in drills, where they are intended to remain, or in small patches from which they are transplanted later. (Some varieties, notably Poppies, do not transplant well. These should be sown in their permanent quarters); half hardy annuals (marked H.H.A. in Catalogue) which are usually started under glass before being transferred to the garden; and tender annuals (marked T.A.) which require heat at all times.

BIENNIALS are those plants which do not flower until the second season after sowing, remain a certain time in bloom and then die. They are chiefly grown from seed (marked B in Catalogue) and require the same general treatment as that given for Annuals.

PERENNIALS.—Plants that last year after year, usually blossoming and fructifying annually. The hardy varieties (marked H.P. in Catalogue) may be sown under glass in April or in a well prepared border outdoors and later transplanted in the positions in which they are intended to remain. As they continue and increase in size, a study should be made of their requirements before setting them out, so that the different heights will conform to their surroundings. Tender Perennials are marked T.P., and are usually grown in the greenhouse.

The **HOTBED** is mentioned so often that a few directions on its preparation and management may not be amiss. The most economical and neatest way to make a hotbed is to place the heating material in frames formed half below and half above ground and about 30 inches in height at the front and six inches higher at the back or north side and on a width to suit the sashes at hand. The heating material is usually horse manure, which should be thrown into a heap of sufficient size to generate heat, and turned once or twice to expel the rank heat. It should also be watered if found to be at all dry. When the manure is in proper condition, the frame is filled with it to half its depth, care being taken to have a solid, well tramped mass. A covering of from 4 to 6 inches of fine soil is now placed on the manure and when the temperature has begun to decline from 100 degrees the hill is levelled, raked and firmed; when sowing may be begun. When the seeds are sown, little watering will be necessary for some time as the moisture from the manure rising through the soil will provide almost sufficient. The bed should be shaded lightly until the seeds germinate, after which time light, air and moisture will demand faithful attention. In this latitude the first of April will be found early enough to start hotbeds.

The **COLD FRAME** is also a useful adjunct. While it does not hasten the season for sowing quite so much as the hotbed, it requires less attention than the latter, little work in preparation, will produce fine, sturdy plants and is a distinct advantage in transplanting from the hotbed. The Cold Frame in the strict sense—that is for wintering over plants—is hardly possible in this latitude except for bulbs. In which case the construction should be similar to that of the hotbed—half above and half below ground. When used for seedlings or as a transplanting intermedium, it is simply a frame 12 inches high on the south side, 6 or 8 inches higher on the north, and of a size to suit the sashes at hand. This should be set on a piece of light, mellow and well-drained soil, and when well forked—with the addition, if possible, of some thoroughly decomposed manure—is, weather permitting, ready for operations. With due attention to airing during the day and covering at night when necessary, the cold frame will be found helpful when used either for pleasure or profit.

FLOWER SEEDS



CREGO ASTER

In ordering Flower Seeds,
Please Give Catalogue
Number.

ASTERS—Continued.

NAMED VARIETIES.

- | | pkt. |
|---|------|
| 3. Cardinal—This variety is in a class by itself, color a rich, bright cardinal. | 10 |
| 4. Comet Giant Branching—Mixed crimson, white, lavender, pink, light blue, shrimp pink. | 10 |
| 6. Crego—Mixed white, lavender and pink. | 10 |
| 7. Daybreak—Clear shell pink. | 10 |
| 8. Lavender Gem. | 10 |
| 9. Mikado—White and pink, one of the handsomest asters. | 10 |
| 10. Ostrich Feather—Mixed crimson, dark blue and white, fine show variety with graceful wavy flowers. | 10 |
| 11. Peerless Pink—One of the very finest pink asters. | 10 |
| 12. Purity—A large, magnificent white. | 10 |
| 13. Queen of the Market—Mixed white, pink, lavender, the earliest variety. | 10 |
| 14. Queen Victoria or Washington—Mixed, an exceptionally large variety. | 10 |
| 15. Royal Purple—The finest of its color, free flowering and distinct. | 10 |
| 16. Sada Yakko—New, beautiful rose color. | 10 |
| 17. Trauffauts Paeony Flowered Perfection, mixed. | 10 |
| 18. Violet King—Long stemmed double violet flowers. | 10 |
| 19. Vick's Late Branching—Mixed colors, a very fine and useful strain. | 10 |
| 20. White Fleece—Flowers frequently 5 inches in diameter, very double and almost globular. | 10 |

GENERAL LIST IN ALPHABETICAL ORDER

5c. packets. 50c. per doz.
10c. packets. \$1 00 per doz.

Novelties and varieties of special mention are in bold type. We prepay postage on all Flower Seeds in this list to any address in Canada.

ASTERS.

This beautiful class of H. H. A. are too well known to require description.

- | | pkt. |
|--|------|
| 1. GRAHAM'S ROYAL EXHIBITION—A superb mixture of all the finest and newest named varieties. We highly recommend this strain. | 10 |
| 2. Fine Mixed—All colors. | 5 |

COLLECTION OF ASTERS.

Collection of 6 classes.	50
Collection of 10 classes.	75
Collection of 18 classes.	1 50

GENERAL LIST.

- | | |
|--|----|
| 21. Abronia—Umbellata, Rosy Lilac, H.H.A. somewhat resembles the Verbena in flower and habit of plant. | 5 |
| 22. Achillea, the Pearl—H.P. Double white flowers. One of the best Perennials grown. Fine for cutting. | 10 |
| 23. Acroclium—"Everlasting Flower," mixed colors. H.H.A. | 5 |
| 24. Aconitum—Napelus. Monks-Hood, Blue, H.P., 3 1/2 feet. | 5 |
| 25. Adonis—H.A. Handsome foliage, 1 foot, mixed colors. | 5 |
| 26. Adlumia Cirrhosa, or Allegheny Vine—Flesh colored flowers. H.P. | 10 |
| 27. Ageratum—H.A. Makes a good bed or border; when cut, shows well in a bouquet:— | |
| 29. Imperial Dwarf—Azure blue, 1/2 foot. | 5 |
| 30. Dwarf—White, 1 foot. | 5 |
| 31. Agrostemma—H.A. Crown of the field. A compact growing plant. | 5 |



TOM THUMB ANTIRRHINUM



LITTLE GEM ALYSSUM



AQUILEGIA

32. **ALYSSUM**—H.A. These flower profusely through pkt. the season and are much esteemed. Sweet white. 5
33. **Little Gem**—This is one of the finest plants for borders, $\frac{1}{2}$ foot. 10
34. **White Carpet**—Very dense in growth, and of striking whiteness. 10
36. **Ampelopsis**—Veitchii, or Boston Ivy. One of the prettiest hardy climbers. 10
37. **ANTIRRHINUM**—H.H.B. Majus. Fine mixed, $1\frac{1}{2}$ feet. 5
38. **Extra Choice**—Mixed, $1\frac{1}{2}$ ft., splendid strain. 10
39. **Queen of the North**—Pure white. 10
40. **Defiance Scarlet**. } Fine 10
41. **Delicate Rose**. } Varieties 10
42. **Aurora Vermilion**. } for 10
43. **Golden Queen**. } Borders 10
- AMARANTHUS**—(Foliage Plants). H.A.
45. **Tricolor, Splendens**—Green, red, yellow. 5
46. **Sunrise**—Brilliant carmine, a splendid bedding variety. 10
48. **Mixed Varieties**—Splendid mixture of above. 5
- AQUILEGIA COLUMBINE**—H.P. Blooms early.
49. **Choice double mixed hybrids**. 5
51. **Veitch's Single Hybrids**, with long spurs. 10
52. **Asperula (Azurea Setosa)**—H.H.A. 1 foot, dense habit, beautiful light blue sweet-scented flower. 10
53. **Aristolochia Siphon**, or Dutchman's Pipe—A perennial climber. 10
54. **ARCTOTIS GRANDIS**—Beautiful annual, large white daisy-like flower with mauve centre. 10
- Auricula (Primula Auricula)**—H.P. A very beautiful spring flowering plant, with umbels of rich colored fragrant flowers.
55. **Finest Mixed Single**. 10
56. **Choice Mixed Hybrids, extra**. 20
57. **Asparagus, Plumosus**—A beautiful house plant, T.P. 100 seeds. \$1.00 25
58. **Asparagus, Sprengeri**—Fronds grow 4 feet long. 10
59. **Arabis Alpina Compacta**—H.P. A pretty little plant, with large white flowers, blooming early. 5
60. **Boltonia (False Chamomile)**—A very handsome hardy perennial with daisy-like flowers. 10
61. **Bartonia, Aurea, Yellow**, H.A.—Leaves resemble the thistle, 2 feet. 5
62. **Beet, Ornamental**, H.A.—Beautifully veined. 5
63. **Bridal Rose or Feverfew**—Double white. H.H.B. 10
64. **Browallia**—H.H.A. Mixed. Fine for bedding out. 5
65. **Brachycome, Iberidifolia**—Swan River Daisy. H.H.A. 5
- BEGONIA**—T.P.
66. **Erfordia**—Glowing pink, a grand variety. 10
67. **Luminosa**—Beautiful scarlet. 10
- BALSAM**—H.H.A.
68. **Double Camelia Flowered**—Choice mixed; saved from choice flowers, in six colors. 10
70. **Double Fine**—Mixed. 5
- BALSAMS**—Collection of choice Double Balsams, 5 colors, 50c.; 8 colors, 75c.; 12 colors, \$1.00.
- CANDYTUFT**—H.A. A great favorite, continuing long in bloom.
71. **Empress**—A mass of pure white flowers. 5
72. **Sweet Scented**—Small white flowers with distinct foliage. 5
73. **Crimson**, 1 foot, 5c.; **White**, 1 foot, 5c.; **Purple**, 1 foot. 5
74. **Mixed Large Flowering**. 5
75. **New Dwarf Mixed Hybrids**—Splendid bedding variety. 5
76. **Little Prince**—Very dwarf white. 5



CANDYTUFT EMPRESS



CUP AND SAUCER CANTERBURY BELL

- | | |
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| | pkt. |
| 77. CANARY BIRD CREEPER—One of the most charming annual climbers. Yellow..... | 10 |
| 78. CALCEOLARIA, Grandiflora Hybrida—Splendid mixture of large flowering varieties T.A. ½ pkt., 25c..... | 50 |
| 79. CACALIA—Tassel-like flowers—Mixed H.H.A..... | 5 |
| 80. Carnation, Marguerite—Seeds sown in April will bloom profusely the first season. Mixed..... | 10 |
| 82. Canterbury Bells (Campanula media)—Dean's Improved Strain, remarkable for size and variety of colors. Single mixed..... | 5 |
| 83. Canterbury Bells—Double mixed..... | 5 |
| 84. Canterbury Bells (Campanula Calycanthema)—Cup and saucer variety, mixed colors..... | 5 |
| CAMPANULA OR BELL FLOWERS — | |
| Charming perennials of easy culture. | |
| 85. Carpatia—The Hair Bell or Blue Bell. H.P..... | 5 |
| 86. Persicifolia—Blue, 4 feet. H.B..... | 10 |
| 87. Persicifolia Alba—A beautiful pure white variety. H.B..... | 10 |
| 88. CARDUUS ACANTHOIDES GIGANTEUS—Scotch Thistle H.A..... | 10 |
| 89. CANNA—Crozy's Large Flowering Hybrids—T.P..... | 10 |
| 90. CATCHFLY—Mixed—1 foot. Free flowering plant. H.A..... | 5 |
| 91. CALENDULA—Showy variety of the Marigold family. H.A. Mixed | 5 |
| 92. Prince of Orange—Fine deep orange color..... | 5 |
| 93. Meteor—Double yellow flowers, striped with orange..... | 5 |
| CENTAUREA —Beautiful white leaved foliage plants. | |
| 94. Candidissima—1 foot. Silver foliage. H.H.P..... | 10 |
| 95. Gymnocarpa—1½ feet. Drooping fern-like leaves. H.H.P..... | 10 |
| 96. CENTAUREA CYANUS, Emperor William—Double Blue. H.H.A..... | 5 |
| 97. Cyanus Imperialis—Beautiful new variety of richest shades. | 10 |
| 98. Cyanus Margaret—White, sweet-scented; quite distinct. H.H.A..... | 5 |
| 99. Centaurea, Americana Alba, or Star Thistle—The immense fluffy white blooms of this variety are as attractive as Pæonies..... | 10 |
| 100. CENTROSEMA GRANDIFLORA, or Butterfly Pea—An elegant perennial climber..... | 10 |
| 101. CELOSIA—Fire feathered autumnal plant, with brilliant bloom..... | 5 |
| 102. Thomson's Crimson Magnifica. In splendid mixture..... | 10 |
| 105. Centranthus—H.A. Mixed, 1 foot, good for borders..... | 10 |
| 106. CHRYSANTHEMUM, Inodorum Plenissimum (Bridal Robe)—A summer blooming class, very floriferous. H.P..... | 10 |
| 107. Coranarium Double Annual—In splendid mixture..... | 5 |
| 110. CINERARIA, Grandiflora Hybrida—Best English strain, ½ pkt., 25c..... | 50 |
| 111. CINERARIA STELLATA, or Star Cineraria—A valuable plant for greenhouse decoration and for cut bloom..... | 25 |
| 112. Cineraria Maritima, Diamond Dusty Miller—A silver-leaved annual..... | 5 |



COBÆA SCANDENS



EMPRESS COCKSCORN



GIANT DOUBLE DAISY

- | | |
|---|------|
| | pkt. |
| 114. CLARKIA—A hardy annual of easy culture. Mixed..... | 5 |
| 116. CLEMATIS JACKMANII—H.P. Climber, blue | 10 |
| 117. CALLIOPSIS, or COREOPSIS (Bright Eyes)—Show to best advantage when in large masses. Mixed colors, 3 feet. H.A..... | 5 |
| 119. Lanceolata—A very showy hardy perennial, bearing during the summer and autumn large flowers of bright yellow.... | 10 |
| 120. Golden Wave (Drummondii)—Plant very bushy and compact, covered with a mass of rich golden blossoms..... | 5 |
| 121. Coreopsis Grandiflora—H.P. Beautiful dark yellow..... | 5 |
| COCKSCORN—H.H.A. | |
| 122. Empress—This sort produces extremely large and beautifully formed combs of bright crimson..... | 10 |
| 123. Glasgow Prize—The combs are of great size mixed..... | 10 |
| 125. COWSLIP—Spring flowering H.P. Finest mixed..... | 5 |
| 126. COSMOS, Early Dawn—Resembles the Single Dahlia, H.A..... | 5 |
| CONVOLVULUS, MORNING GLORY— | |
| 127. Imperial Japanese—A beautiful variety, showing wonderful colors..... | 10 |
| 128. Minor—Dwarf Morning Glory..... | 5 |
| 129. Mauritanicus—Blue flowering..... | 5 |
| 130. Major—Morning Glory, mixed..... | 5 |
| 131. COBÆA SCANDENS—H.H.P. Beautiful greenhouse climber; grows quickly, and has fine foliage. Blue..... | 10 |
| 133. COLEUS—Very effective plant for bedding. T.P..... | 25 |
| 134. CYCLAMEN, Grandiflorum—Mixed colors. Are among the most beautiful winter and spring blooming plants. Per 100 seeds, \$1.00. | 25 |
| 135. CYPERUS ALTERNIFOLIUS—Umbrella plant | 10 |
| 136. DATURA, Cornucopia, or Horn of Plenty—A magnificent variety; stems dark purplish maroon. H.A..... | 10 |
| 137. Wrightii (Meteloides)—Single trumpet-shaped white flowers, height 4 feet..... | 5 |
| DAHLIA—The single varieties grow rapidly from seed, and bloom profusely. H.H.P. | |
| 138. Single—A charming race..... | 10 |
| 139. Double—Mixed; saved from prize flowers, four feet..... | 10 |
| 140. DAISY, Bellis Perennis—The seed we offer is saved from the finest double varieties. H.P. Fine mixed..... | 5 |
| 141. Longfellow—Large double pink flowers... | 10 |
| 142. Snowball—A large and very double pure white..... | 10 |
| 143. Giant Double—These giant Daisies, which are beautifully imbricated, are from 1½ to 2 inches in diameter..... | 10 |
| 144. Shasta Daisy—The great white California Daisy..... | 15 |
| 145. Mrs. C. Lowthian Bell—This magnificent Marguerite is the largest flowered variety of its class. Flowers of the purest white frequently measuring 5 ins. in diameter.. Maximum Latifolium or Noon Penny Daisy. H.P..... | 25 |
| 146. DICTAMNUS FRAXINELLA (Gas Plant)—A very showy perennial, forming a bush about 2½ feet in height..... | 10 |
| 147. DIGITALIS, or Fox Glove—Finest mixed. H.B. | 5 |
| 148. DOLICHOS, Liguosus (Australian Glory Pea).—Beautiful tender perennial climber..... | 10 |
| 149. DOLICHOS, or Hyacinth Bean—Tender annual climber..... | 5 |
| DELPHINIUM—When planted in large beds or groups, the gorgeous spikes of flowers of the Delphinium, varying in shade from pure white to the richest blue, render it very attractive. H.P. | |
| 150. Formosum—Beautiful spikes of brilliant rich blue flowers, with white centres. Kelway's Hybrids..... | 5 |
| 151. Grandiflorum Double—A grand collection of double hybrids. Colors range from porcelain blue to white..... | 1 |



DATURA CORNUCOPIA



DELPHINIUM—Continued.

152. Dwarf Compact, or Wedding Bells—A charming dwarf variety, about 18 inches high, forming a perfect bell. 5
153. Blue Butterfly—A beautiful new annual variety, blooms first year from seed. 10
154. DRACAENA CORDYLINE—A graceful foliage plant extensively used for vases and house decoration. Indivisa. T.P. 10
- 155 DIANTHUS PINKS, H.H.B. Single varieties. Choice mixed. 5
- DIANTHUS, H.H.B. Double Varieties.
160. Choice Mixed—This is a superb mixture of a large number of varieties of doubles, in great diversity of color and form, and cannot fail to prove of interest to the grower. 5
161. DIMORPHOTHECA (African Golden Daisy). Aurantiaca—An extremely showy annual Daisy from South Africa, which seems to suit our climatic conditions perfectly. The bushy plants grow 15 to 12 inches high. 10
162. Hybridus—A mixture of beautiful new hybrids of above. 15
163. ERYTHRINA—Christi Galli (Coral Plant)—A hardy plant with beautiful spikes of pea-shaped blooms. 5
- ESCHSOLTZIA—The brilliant colors and large size of the flowers render the Escholtzia very attractive. H.A.
164. Mixed Colors. 5
165. Californica Grandiflora, Golden West. 5
167. FORGET-ME-NOT Pretty little plant, grows well around fountains or in any moist situation. H.P. Blue. 5
168. Ruth Fischer—The latest and finest large flowering Forget-Me-Not. 25
169. Sutton's Royal Blue—Large flower, charming color. 10
171. FERNS for Greenhouse—Choice mixed. Our own saving. 15
- GAILLARDIA—One of the best annuals for bouquet work, and a profuse bloomer. H.H.A.
172. Lorenziana, Double Extra Choice Annual. 5
173. Grandiflora—Choice strain of Luther Burbank's new Hybrids. 5
174. GILIA—Is of neat growth, makes a nice edging. H.A. 5
176. GODETIA—Profuse bloomer, with delicate tints of color. H.A. Mixed varieties. 1½ feet. 5
177. GYPSOPHILA—H.A. Pure white. 1 foot. 5
178. Gypsophila Paniculata—Charming perennial variety of graceful habit. Fine for bouquets. 5
179. Gypsophila Paniculata—New double. 25
- GLOXINIA—A very charming greenhouse plant of dwarf habit and gorgeous colors.
180. Choice mixed varieties. 25
181. GOURDS—Very useful for covering walls. Choice mixed. 5
182. Grevillea Robusta, or Silk Oak—A graceful foliage plant of easy culture and rapid growth. Fine for house decoration. 10
183. HELIOTROPE—Very fragrant; prized in the flower garden or the conservatory. H.H.P. Mixed. 10
184. HELICHRYSUM—Handsome "H.H.A. Everlasting Flower." Double. 5
185. HONESTY, Lunaria Biennis, "Satin Flower or Moonwort." H.B. 5
186. Honeysuckle—A pretty annual climber. French. 5
- HOLLYHOCK—The magnificent flower spikes of the Hollyhock render it a most striking and effective plant. H.H.P.
187. Chater's Extra Choice Strain—Mixed colors. Double. 10
188. Finest Mixed—Double. 5
189. Double Annual—Blooms first year from seed. Collections—Chater's Prize Strain, in original packets—6 separate colors, 50c.; 12 colors, \$1.00 10
190. HEUCHERA SANGUINEA—One of the finest hardy perennials. The flowers are of a rich, bright crimson color. H.P. 10
192. HOP—Well known hardy climber. 5



DRACÆNA INDIVISA



HOLLYHOCK



KOCHIA OR SUMMER CYPRESS

HOP—Continued.

- | | |
|---|------|
| | pkt. |
| 193. Japanese—The foliage of this fine climbing plant has not the heavy appearance of the common Hop, and the leaves are much more deeply cut | 5 |
| 194. New Japanese (<i>Humulus Japonicus</i>)—Leopard leaved Hop... | 10 |
| INCARVILLA DELAVAYI—H.P. Beautiful garden plant with long flexible branches carrying large tubular flowers of rosy-red, spotted yellow; 3 feet | 10 |
| 195. ICE PLANT—H.H.A. Trailing plant, its leaves having the appearance of being covered with ice | 5 |
| 196. IMPATIENS, Sultana—This perennial Balsam is a fine decorative plant, and is suitable for either greenhouse or open border; T.P. | 20 |
| 197. <i>Impatiens Holstii</i> —New, very large flowering, scarlet | 20 |
| IPOMŒA—H.A., climbing annuals of great beauty, having pretty foliage and flowers of great brilliancy of color. | |
| 198. <i>Quamoclit Cyprus Vine</i> —Mixed colors | 5 |
| 199. Heavenly Blue— <i>Rubra Cœrulea</i> | 5 |
| 200. <i>Grandiflora Alba</i> —(Moon Flower) | 10 |
| 201. JACOBÆA—Of compact growth and very floriferous. Mixed... | 5 |
| 202. KOCHIA TRICHOPHYLLA (Summer Cypress, or Belvedere)—An easily grown annual, which, when sown thinly, forms a perfect cypress-like hedge 3 feet in height | 10 |
| 203. LATHYRUS, or Perennial Pea—In White, Rose, Scarlet and Pink Beauty | 10 |
| 204. LARKSPUR—Emperor, a really splendid plant and profuse bloomer. H.A. | 5 |
| 205. Giant Hyacinth Flowered—Mixed colors. H.A. | 5 |
| 206. LANTANA—A remarkably handsome free flowering plant; very attractive in beds, and is also well suited for pot culture. T.P. | 10 |
| 207. LAVENDER (<i>Lavandula Vera</i>)—Sweet-scented perennial | 5 |
| 208. LEPTOSIPHON—Amongst the most beautiful of annuals. ½ foot | 5 |
| 209. LINARIA, Cymbalaria—(Kenilworth Ivy), H.H.P. | 5 |
| 210. LINUM, <i>Grandiflorum Rubrum</i> —H.A. Scarlet flax; 1 foot | 5 |
| 211. LOPHOSPERUM SCANDENS—Pretty climber, purple flowers. H.H.B. | 10 |
| 212. LOVE LIES BLEEDING—Ornamental plant with hanging plumes, suitable for mixed borders. H.A. Crimson. 2½ feet | 5 |
| 213. Lupinus—Free growing plants with long spikes of richly colored blossoms. H.A. Mixed | 5 |
| 214. Lupinus—Perennial varieties mixed | 5 |
| 215. Lupins—Beautiful annual. Blue, rose, white and yellow | 5 |
| 216. LYCHNIS— <i>Chalcedonica</i> Scarlet. H.P. 2 feet | 5 |
| LOBELIA—A most useful genus of plants, of neat habit, and are much admired in edgings, rockeries, vases, etc. H.H.P. | |
| 217. <i>Cardinalis</i> —Tender perennial, scarlet, 2 feet | 10 |
| 218. <i>Gracilis</i> —Blue and white, trailing stems | 5 |
| 219. Crystal Palace—Dark blue; ½ foot. (Compacta) | 10 |
| 220. <i>Ramosa</i> (tenuior)—Dark blue, 10 inch, large flowering, fine for pot plants or large bed borders | 10 |
| 221. MARVEL OF PERU, or Four O'Clock—Glossy green foliage, with beautifully colored flowers. H.A. Fine Mixed Hybrids | 5 |
| 222. Marvel of Peru—White, sweet scented | 5 |
| 223. MALOPE GRANDIFLORA—H.A. With saucer-shaped flowers of crimson, rose and white. Mixed | 5 |
| 224. MAIZE, Striped Leaved Japanese—H.A. | 5 |
| 226. MAURANDYA BARCLAYANA—A half hardy perennial climber, producing very fine purple flowers | 10 |
| MIGNONETTE—For open air culture. See that the soil is not rich, and that the plants are well thinned out. H.A. | |
| 228. Reseda Large Flowering—Sweet. Oz., 15c | 5 |
| 229. Goliath—Fine variety for forcing, monstrous spike | 25 |
| 230. Machet—A variety of very strong growth. Oz., 60c | 10 |
| 231. Allen's Defiance—Produces enormous spikes. Splendid variety | 10 |
| 232. MIMULUS—Much admired on account of the beautiful markings of the flowers. <i>Tigrinus</i> . T.P. Clapham's Superb Strain | 10 |
| 233. MUSK, <i>Mimulus Moschatus</i> —Strong musky perfume. T.P. | 10 |
| 234. MOON FLOWER—(See <i>Ipomœa</i>). H.A. | 10 |
| 235. MARIGOLD—African Eldorado—H.H.A. This grand variety of Marigold has immense flowers, very double and beautifully quilled, and of all shades of yellow | 10 |
| 237. African Fine Mixed | 5 |
| 238. MARIGOLD—French, Extra Dwarf Scotch Strain—The flowers of this strain are of lovely shades. The plants being dwarf and erect of habit, and very suitable for bedding | 10 |
| 239. French—Single "Legion of Honor." Splendid border plant; crimson brown with yellow edge | 5 |
| 240. Fine Mixed | 5 |
| 241. MATHIOLA BICORNIS—(Hardy night, scented stock) | 5 |

GRAHAM'S ROYAL EXHIBITION DWARF NASTURTIUMS.



DWARF NASTURTIUMS



JAPANESE HOP

242. DWARF NASTURTIUM—^{pkt.}
Giant Flowering Mixed Colors
—A superb and carefully selected mixture of all the best varieties of this popular flower.
Oz., 15c..... 5

We can also supply the following named Dwarf Nasturtiums at 5c. per packet:

- 243. Ardoise.
- 244. Aurora.
- 245. Beauty.
- 246. Chameleon.
- 247. Crystal Palace Gem.
- 248. Empress of India.
- 249. King Theodore.
- 250. H. M. Stanley.
- 251. Lady Bird.
- 252. Pearl.
- 253. Ruby King.



255. TALL NASTURTIUMS—GRAHAM'S ROYAL EXHIBITION ^{pkt.}
STRAIN—Finest named varieties, superb mixture. Oz., 15c.... 5
256. Nasturtium, Lobb's (*Tropæolum Lobbianum*)—This variety is wonderfully profuse and brilliant, mixed colors..... 5
257. Madame Gunter's Hybrids—Contain many novel colors, strong growers and fine flowers. Oz., 20c..... 5
258. Spit Fire—A gorgeous variety of the most dazzling scarlet, extremely floriferous..... 5
259. Black Prince—Deep blackish purple changing to velvety black..... 5
260. Nemophila—Of neat and compact habit of growth and striking shades of color. H.A. Mixed..... 5
261. Insignis Blue— $\frac{1}{2}$ foot..... 5
262. NIEREMBERGIA, Gracilis—White and lilac. Charming for baskets or vases. H.H.P..... 10
263. NICOTIANA AFFINIS—Produces deliciously scented large tubular-shaped flowers; white. H.H.A..... 5
264. NICOTIANA, Sanderæ—New brilliant carmine red blossoms..... 10
265. NIGELLA, Mrs. Jekyll—Cornflower blue..... 5
266. NOLANA—A trailing plant; the flowers resemble Convolvulus... 5
267. NEMESIA STRUMOSA SUTTONI—H.H.A. Height, 18 inches, and the variation of the color of the flowers is one of the most interesting features of the plant..... 10
268. OENOTHERA, Evening Primrose—Sweet-scented annual..... 5
269. Perennial Sweet Pea (*Lathyrus Latifolius*)—A splendid hardy flowering climber, mixed colors..... 10
270. PERILLA, Nankinensis— $1\frac{1}{2}$ feet. H.A. Ornamental foliage... 5
271. PENTSTEMON—Tubular-shaped flowers. H.P..... 10
- PORTULACCA—Beautiful little annuals of extremely brilliant colors. H.A.:
272. Single Mixed— $\frac{1}{2}$ foot..... 5
273. Grandiflora—Splendid mixture of double varieties..... 10



PHYSALIS



PANSY "MASTERPIECE"



PETUNIA HYBRIDA

- | | pkt. |
|---|------|
| 274. PHYSALIS FRANCHETI (Chinese Lantern Plant)
—An elegant variety of the winter cherry. H.P. | 10 |
| POLYANTHUS —Most beautiful plant for either out or indoor decoration. H.P. | |
| 275. Fine English Mixed Colors..... | 5 |
| 276. Choice Gold-laced Mixture..... | 15 |
| 277. PRINCE'S FEATHER —Attractive plant with elegant plumes of rich color. H.A. 2 feet..... | 5 |
| 278. PYRETHRUM , Golden Feather—Golden foliage and stiff habit of growth, fine border plant..... | 10 |
| 279. Pyrethrum —Single perennial hybrids, a very attractive plant..... | 10 |
| 280. Pyrethrum —Double perennial hybrids, choice mixed colors..... | 15 |
| 281. PANSY OR HEARTSEASE . Fine Mixed— $\frac{1}{8}$ oz., 15c..... | 5 |
| 282. Choice Mixed French Large Flowering— $\frac{1}{8}$ oz., 50c..... | 10 |
| 283. Giant Trimardeau —A very large flowering variety. $\frac{1}{4}$ oz., 75c..... | 10 |
| 284. Masterpiece —Finest strain yet introduced. Splendid flowers of great substance..... | 50 |
| 286. GRAHAM'S ROYAL EXHIBITION —A splendid mixture of the best large flowering varieties, $\frac{1}{8}$ oz., 75c., $\frac{1}{2}$ pkt. 15c..... | 25 |
| 287. Golden Queen —Yellow..... | 5 |
| 288. Aurora —Pure white..... | 5 |
| 289. King of the Blacks | 5 |
| 290. PETUNIA —Fine mixed. H.H.A..... | 5 |
| 291. Choice Mixed—Very fine..... | 10 |
| 292. California Giants —Large Flowers, and of every conceivable shade of color, from crimson to white and lavender..... | 25 |
| 293. Hybrida Grandiflora —A superb mixture of the choicest single named sorts..... | 25 |
| 294. Choice Mixed Double—Will produce a large proportion of the finest double blooms..... | 50 |
| 295. Rosy Morn —Splendid bedder, pink and white..... | 10 |
| 296. Dwarf Inimitable —Fine bedding variety.... | 10 |
| 297. Howard's Star —A very decorative variety, scarlet with a white star in centre..... | 10 |

POPPIES.

- | | |
|--|----|
| 298. Giant Double Poppies —A mixture of all the best double poppies..... | 5 |
| 299. Single Mixed —A mixture of choice single varieties..... | 5 |
| 300. The Shirley —Rev. W. Wilks' choice English strain, unequalled in coloring and variety.... | 5 |
| 301. Cardinal —Flowers glowing scarlet on white ground..... | 5 |
| 302. Snow Drift —Immense double blooms of the purest white..... | 5 |
| 303. Mikado —Pure white double blooms; fringed with scarlet..... | 5 |
| 304. Tulip Poppy —Vivid scarlet, single..... | 5 |
| POPPY, Hardy Varieties—H.P.— | |
| 305. Iceland Poppy , <i>Papaver Nudicaule</i> —Mixed colors, single..... | 10 |
| 306. Iceland Poppy —Double mixed colors..... | 15 |
| 307. Oriental (The large Oriental Poppy)—A charming, showy, summer flowering plant, producing deep crimson flowers, having a conspicuous black blotch on each petal.... | 10 |
| 308. Oriental Hybrids —Beautiful new Hybrids of the Oriental Poppy..... | 10 |
| 309. Oriental Hybrid —Salmon pink, beautiful new shade..... | 15 |



- PHLOX DRUMMONDII**—For richness of color and duration of bloom no annual surpasses it. pkt.
- | | |
|--|----|
| 310. Fine Mixed Colors..... | 5 |
| 311. Grandiflora—Extra choice mixed, large flowered..... | 10 |
| We can also supply in separate colors, white, pink scarlet and buff, each..... | |
| 312. Cuspidata, Star of Quedlinburg—A remarkable star-shaped variety, mixed..... | 10 |
| 313. Fireball—Intense scarlet; 8 inches..... | 10 |

Albert's Concentrated Horticultural Manure—Soluble in water. One of the best stimulants for flowering plants. Per lb. 15c.; 10 lbs. \$1.00. Teaspoonful to 1 gallon water.



PRIMULA SINENSIS FIMBRIATA

PHLOX DRUMMONDI.

DWARF VARIETIES.

- | | |
|---|------|
| | pkt. |
| 314. Snowball—Pure white..... | 10 |
| 315. Fine Dwarf Varieties—Mixed colors. Splendid class for bedding..... | 10 |

COLLECTIONS OF PHLOX DRUMMONDI IN ORIGINAL PACKETS.

Collections of 18 separate colors, \$1.00; 12 separate colors, 75c.; 6 separate colors, 50c.

- | | |
|---|----|
| 316. PHLOX DECUSSATA, Perennial—Finest mixed; 3 feet. Tall and elegant habit, with beautiful tinges of color..... | 10 |
| 317. PRIMROSE, Primula Sinensis Fimbriata—Choice mixed, ½ pkt., 25c..... | 50 |
| We can also supply in separate packets the following choice varieties: Crimson King, Coccinea Magnifica, Alba Magnifica, Pink Beauty and Ruby Queen. Each..... | |
| 318. GIANT PRIMULAS—Mixture of Giant Primulas— | 50 |
| 319. PRIMULA OBCONICA GRANDIFLORA—Fimbriata. We direct attention to this particularly fine strain, unsurpassed for exquisite rich colors.. | 10 |
| 320. Primula Vulgaris—The Yellow Primrose of England | 10 |
| 321. RICINUS (or Castor Oil Plant)—Fine mixture.... | 5 |
| 322. Enormis—A robust variety..... | 10 |
| 323. Zanzibarensis—Leaves of a metallic olive green..... | 5 |
| 324. Cambodgensis—Bronze maroon, red veins... | 5 |
| 325. Borboniesis—H.H.A., 10 ft., 5 in..... | 5 |
| 326. Philippinensis—Large leaves, rich purple.... | 5 |
| 327. Rosa Polyantha Plena—Little midget rose, blooms first season from seed..... | 10 |
| 328. RAINBOW CORN—Broad stripes of crimson, yellow, white, green, rose and bronze. Nothing like it for decorative purposes, either for garden or for cutting. As easily grown as field corn.... | 10 |
| 329. SAPONARIA—Dense carpet-like habit, completely studded with bright cross-shaped flowers. H.P.... | 5 |
| 330. SALVIA, Argentea—3 feet H.P. Silver-leaved plant of easy growth..... | 5 |
| 331. Splendens (Scarlet Sage)—A gorgeous annual. | 10 |
| 332. Splendens Bonfire—Compact oval bushes 2 feet high, brilliant scarlet flowers..... | 10 |
| 333. Zurich—Dwarf variety, early, and continues flowering to the end of the season..... | 15 |
| SALPIGLOSSIS—Produces an abundance of funnel-shaped flowers, beautifully veined and marbled. H.H.A. | |

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|-----------------------------|---|
| 334. Fine Mixed—2 feet..... | 5 |
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| 335. New Emperor—In many beautiful colors, mixed. An extra choice variety..... | 10 |
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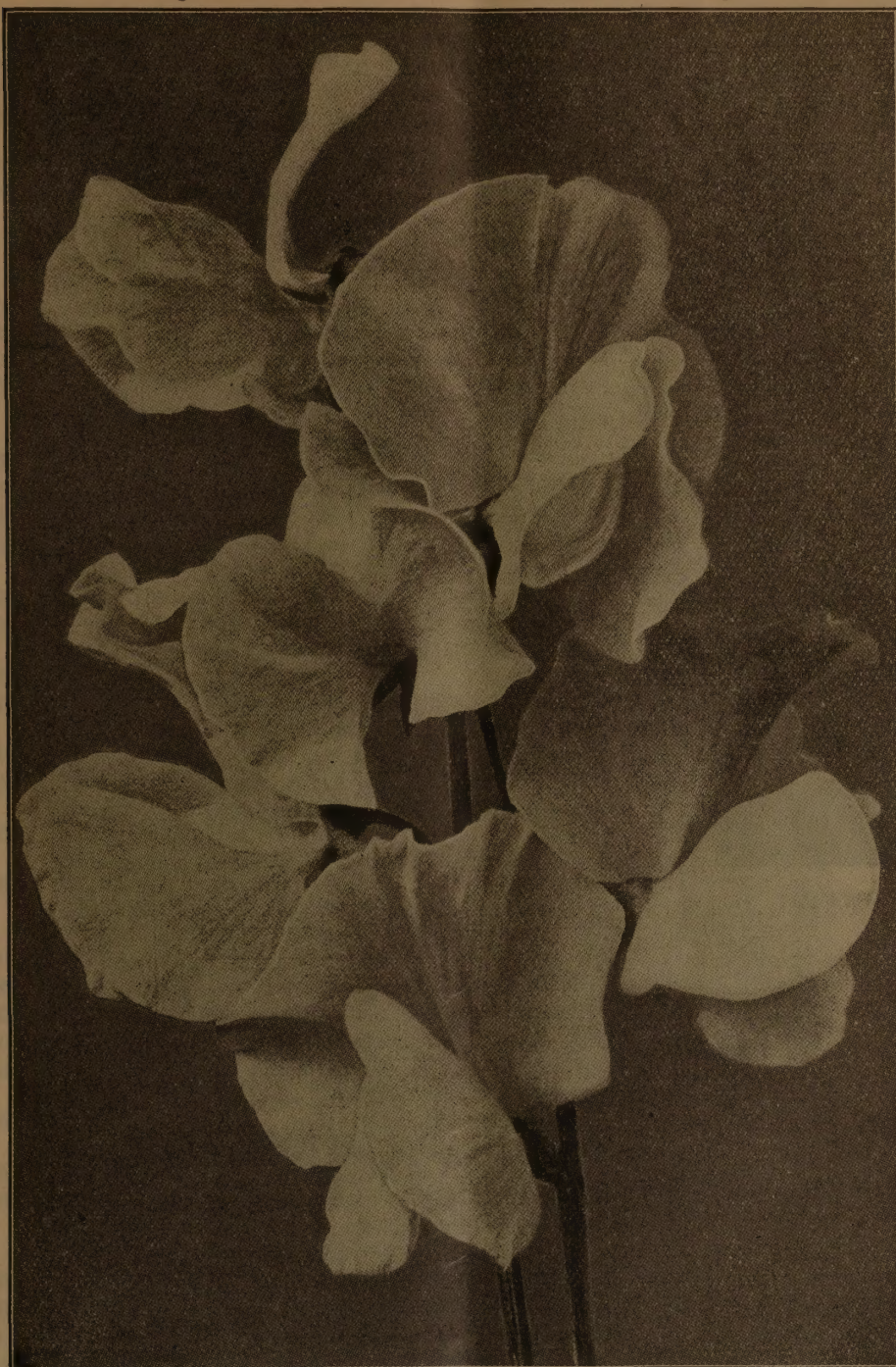
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| 336. SENSITIVE PLANT—A curious plant. H.H.A..... | 10 |
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STOCKS.

- | | |
|---|----|
| 337. Ten-Week—Fine mixed colors..... | 15 |
| 338. Dwarf German Large Flowering Ten-Week—Choice mixture. H. H.A..... | 10 |
| 339. Cut-and-Come-Again, Princess Alice—Pure white..... | 10 |
| 340. All the Year Round—The best double white stock in cultivation, continuous bloomer, pure white..... | 10 |
| 341. Giant Perfection—Finest mixed, double..... | 10 |
| 342. Early White, Snowflake—This variety is the earliest white and one of the earliest of all Ten-Week Stocks | 10 |

COLLECTION OF STOCKS.

6 varieties 50c., 12 varieties \$1.00.



NORA UNWIN SWEET PEA

SWEET PEAS.

The season of 1913 has been a disastrous one for the production of Sweet Pea Seed and we have found it difficult to procure at reasonable prices, our requirements.

343. GRAHAM'S ROYAL EXHIBITION SWEET PEAS.

This popular mixture of the best strains cannot be surpassed for brilliancy and variety, containing as it does all the most desirable varieties of the Spencer, Eckford and Unwin types of Sweet Peas. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

A packet will sow a row of 5 feet, an ounce, 10 feet, a $\frac{1}{4}$ lb. a row of 50 feet.

NAMED ORCHID FLOWERED or SPENCER VARIETIES.

	oz.	pkt.
344. Aurora Spencer — Creamy white, flaked and mottled, rich orange, salmon, very large.....	40	15
345. Countess Spencer — Re-selected, very large, blush pink with darker picotee edge.....	40	15
346. Dainty Spencer — White, edged rose pink, charming flower	40	15
347. Frank Dolby Spencer — Shining pale lavender, beautifully crimped.....	40	15
348. King Edward VII. Spencer — Carmine scarlet, very rich and large.....	40	15
349. Tennant Spencer — Purplish mauve, very large flower, fine strong grower.....	40	15

CHRISTMAS FLOWERING.

EXTRA EARLY SWEET PEAS.

For Greenhouse Culture.

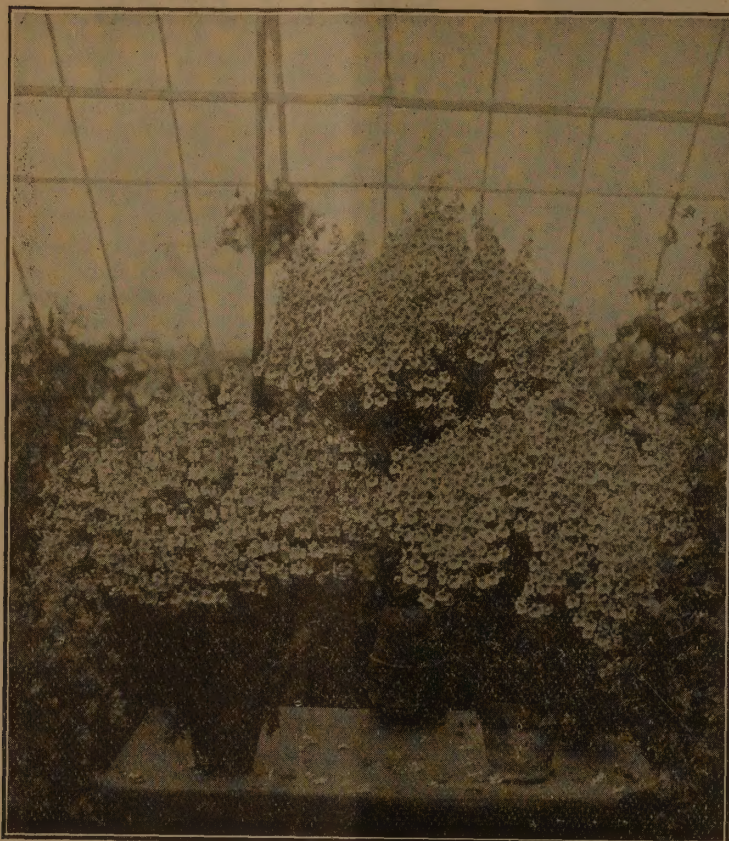
	oz.	pkt.
350. Christmas Meteor—Scarlet..	30	10
351. Mrs. Alex. Wallace—Lavender.....	30	10
352. Mrs. Chas. H. Totty—Sky blue.....	30	10
353. Mrs. Geo. Lewis—Pure white	30	10
354. Mrs. J. F. Dolansky—Bright pink.....	30	10
355. Christmas White—White...	25	5
356. Florence Denzer—Pure white	25	5
357. Christmas Pink—Pink.....	25	5
358. Flamingo—Scarlet.....	30	10
359. Mrs. Wm. Sim—Salmon pink	20	10
360. Snowbird—Pure white.....	25	5

NAMED GRANDIFLORA VARIETIES.

	oz.	pkt.		oz.	pkt.
361. America—Blood red stripes on white ground..	15	5	378. Lovely—Light blush pink with blotch of rose at base, suffused buff.....	15	10
362. Agnes Eckford—Beautiful soft bright pink....	20	10	379. Marie Corelli—Rose crimson self, very fine...	40	15
363. Asta Ohn—Lavender tinted mauve.....	40	15	380. Maud Holmes—Rich crimson spencer, fine large flower and quite sunproof.....	40	15
364. Black Knight—Deep maroon.....	15	5	381. Miss Willmott—Deep orange pink, strong grower, very fine.....	20	10
365. Blanche Ferry—White and pink.....	15	5	382. Mrs. E. Wilde—Rose pink, early.....	20	10
366. Blanche Burpee—Fine white.....	15	5	383. Mrs. Geo. Lewis—Early pure white.....	25	10
367. Dainty—White with pink edge.....	15	5	384. Mrs. Geo. Higginson—Bright blue.....	15	5
368. Dorothy Eckford—White very fine.....	20	10	385. Mrs. Walter Wright—Rose purple.....	15	10
369. Etta Dyke—Pure white. A re-selected strain of King White, probably the finest white.....	40	15	386. Nora Unwin—Pure white, magnificent flower..	15	10
370. Flora Norton—Beautiful clear blue.....	15	10	387. Othello—Rich deep maroon.....	15	5
371. Frank Dolby—Unwin type, beautiful clear lavender.....	20	10	388. Phenomenal—White, edged lavender, waved standards.....	20	10
372. Gladys Unwin—Pale rosy pink.....	20	10	389. Prima Donna—Soft pink.....	10	5
373. George Herbert—Rose crimson, suffused with magenta.....	40	15	390. Queen Alexandra—Giant scarlet.....	20	10
374. Henry Eckford—Clear orange, self.....	15	5	391. Rose du Barri—Carmine rose with tinge of orange	20	10
375. John Ingman—Rose carmine showing veins of a deeper shade.....	30	15	392. Salopian—Crimson.....	15	5
376. King Edward VII—Rich dark red.....	20	10	393. Senator—Striped chocolate on cream ground..	15	5
377. Lord Nelson or Brilliant Blue.....	15	5	394. Shasta—Very fine white.....	15	5
			395. Saint George—Fiery scarlet.....	15	10

Collection of 12 5c. pkts., your own choice, 50c.

Collection of 12 pkts., your own choice, \$1.00



SCHIZANTHUS BUTTERFLY FLOWER



DOUBLE ZINNIA

- | | |
|--|------|
| | pkt. |
| 400. SMILAX—A much admired greenhouse climber... | 10 |
| 402. STATICE—A valuable everlasting flower. H.H.A. | 5 |
| 403. Statice—Perennial sorts. Finest mixed..... | 10 |
| 404. SWEET SCABIOUS, or Mourning Bride—A plant of easy culture. Dwarf Mixed—H.B., 1 foot... | 5 |
| 405. Choice Large Flowering—Mixed..... | 10 |
| SWEET WILLIAM—Hardly any plant presents a gayer appearance. H.P.— | |
| 406. New Annual Sweet William (<i>Dianthus Latifolius Atrococcineus</i>)—Blooms the first year from seed; color, an intense velvety crimson, double flower.. | 10 |
| 407. Mixed Single—Holborn Glory..... | 5 |
| 408. Mixed Double..... | 10 |
| 409. SCHIZANTHUS—Butterfly flower. H.H.A..... | 5 |
| 410. Schizanthus Wisetonensis Improved—A new variety and a marked improvement on the older one..... | 25 |
| 411. SUNFLOWER—Tall Double Californicus..... | 5 |
| 412. Dwarf Double—Double orange flowers; 3 feet. | 5 |
| 413. Stella—The prettiest and brightest single.... | 5 |
| 414. Globe of Gold, or Chrysanthemum Sunflower—A lovely variety with very double flowers.. | 10 |
| 415. Diadem—Large single flowered primrose.... | 10 |
| 416. TAGETES SIGNATA PUMILA—Crystal Palace variety..... | 10 |
| 417. TAGETES LUCIDA—Sweet scented..... | 10 |
| 418. THUNBERGIA—A climbing half hardy annual, used principally for greenhouse decoration.... | 10 |
| 419. VERBENA—Fine Mixed Hybrids. H.H.A..... | 5 |
| 420. Choice Mammoth Strain—This is a splendid strain, saved from Mammoth Hybrids..... | 10 |
| We can also supply in separate colors white, scarlet, pink, and blue. Each..... | |
| 421. Hybrida Compacta—A strain with erect stems, forming compact sturdy plants, 5 in. in height. Mixed colors..... | 10 |
| 422. VENUS LOOKING GLASS—H.A. Mixed..... | 5 |
| 424. VIOLET, The Czar—Dark blue, sweet scented.... | 10 |
| 425. Viola—Sweet scented..... | 10 |
| 426. Viola—Extra choice Scotch strain..... | 15 |
| 428. VIRGINIAN STOCK—A pretty little sweet-scented annual. Mixed..... | 5 |
| 430. WHITLAVIA—Does well for bedding. H.H.A. Blue..... | 5 |
| 431. WILD CUCUMBER—Rapid growing climber.... | 5 |
| WALLFLOWER—The delicious fragrance of the Wallflower makes it much valued as a house plant. | |
| 432. New Early Paris Single—Blooms first season. | 10 |
| 433. Single Mixed Colors—Selected dark shades.. | 5 |
| 434. Double Choice Mixed Colors..... | 10 |
| 435. ZINNIA—H.A. Fine double mixed..... | 5 |
| 436. Choice Double Mixed—From best flowers.. | 10 |
| 437. Robusta Grandiflora (Mammoth)—Flowers extra large, very double and regularly formed. | 10 |
| 438. Haageana—Deep orange; a fine bedding plant..... | 5 |
| 439. Striped or Zebra..... | 5 |
| 440. Double Curled and Crested—The petals are curled and twisted in the most graceful form.. | 10 |
| 441. Little Red Riding Hood—Small flower of the most brilliant scarlet. Fine for bedding..... | 10 |
| 442. Fire Crimson—Splendid bedder, quite equal in effect to a bed of geraniums..... | 10 |
| Collection of Zinnias, 6 Varieties 50c., 8 Varieties 75c.; 12 Varieties \$1.00. | |

WILD FLOWER GARDEN.

399. A mixture of 50 varieties of Hardy Annuals. This packet, wisely sown, plants thinned out and transplanted, will give you no end of pleasure, and will be of great interest to the cultivator. Large pkt., 10c.



Summer Flowering BULBS.

Our Bulbs are all First Size, and must not be confounded with cheap, inferior stock.

HARDY JAPANESE LILIES.

AURATUM—(The Golden Lily of Japan)—This queen of the lily family produces flowers of the greatest beauty, pure white, thickly spotted with crimson, and through the centre of each petal runs a golden band. 15c. each. \$1.50 per dozen.

Longiflorum Giganteum—A magnificent pure white lily resembling the Easter Lily, very robust and hardy. 20c. each. \$2.00 per dozen.

Speciosum Roseum—White shaded with rose and spotted red. 15c. each. \$1.50 per dozen.

Speciosum Rubrum—White shaded with dark rose and spotted red. 15c. each. \$1.50 per dozen.

Speciosum Album—Pure white with beautiful recurved petals. 15c. each. \$1.50 per dozen.

Speciosum Melpomene—Very large flowers, blood crimson, heavily spotted. 15c. each. \$1.50 per dozen.

MISCELLANEOUS BULBS.

Calla Lily—(Lily of the Nile)—A well known variety of easy culture. Each 25c.

Lily of the Valley—Pips, 25c. per dozen.

AMARYLLIS JOHNSONII—Large flowers, crimson scarlet, striped white. 60c. each.

BEGONIA, Tuberous Rooted—Splendid single bedding or pot varieties, in scarlet, crimson, white, yellow and copper color. Per 100, \$6.00; per dozen bulbs, 80c.; each, 8c. The tubers can be easily and safely dried in winter and started again in spring.

BEGONIA, Double—15c. each. \$1.50 per dozen.

Caladium Esculentum, or Elephant's Ears—Dozen bulbs, \$1.00; each, 10c.

Fancy Leaved Caladiums—Splendid collection, strong bulbs. 15c. each. \$1.50 per dozen.

Maderia Vine—One of the handsomest and fastest growing climbers. Dozen, 50c. Each, 5c.

Apios Tuberosa—Resembles a miniature Wistaria. Hardy climber. 5c. each. 50c. per dozen.

TUBEROSE, Double Excelsior—This is the best variety of this popular flower, being of dwarf habit, about 2 feet. Flowers of the purest white, perfectly double, and of delightful fragrance. First sized bulbs, per 100, \$2.25. Dozen, 50c. Each, 5c.

Cinnamon Vine—A rapid growing and effective climber. 5c. each. 50c. per dozen.

Hyacinthus Candicans—Snow white, quite hardy, 5c. each. 50c. per dozen.

Ismene Calathine (The Sea Daffodil)—White, 5c. each; 50c. per dozen.

GLADIOLUS.

The gayest, the easiest of cultivation and the most interesting of summer flowering bulbs. Planted in rich soil in groups, allowing 5 inches apart each way, or in rows 1 foot apart with 3 inches between the bulbs the effect is most pleasing. They may be planted any time during May. The bulbs should be lifted the end of October and stored in a dry cellar at a temperature as near 50° as possible, when the stock may be maintained and increased.

GRAHAM'S CHOICE MIXTURE.

The bulbs which we offer in this mixture must not be confounded with small-sized, undeveloped and cheap bulbs. They are a mixture of choice named varieties, colors well balanced, our own growing and best quality. Price, 30c. per doz.; \$2.00 per 100.

GIANT CHILDSI MIXTURE.

Strong, branching habit, long spikes of huge flowers of the most brilliant colors. 40c. per dozen; \$3.00 per 100.

GROFF'S HYBRID SEEDLINGS.

A choice collection of Mr. Groff's unique colors and form, containing blue, smoky, yellow, and all the shades of pink and red. 40c. per doz.; \$3.00 per 100.

	Per doz.	100
White and Light varieties only—Choice mixed.	40	\$3 00
Lemoine's Hybrids, Mixed—Distinct and early	30	2 00

CHOICE NAMED VARIETIES.

We offer the following set of High Grade Gladiolus for 75c.

	Each
America—Exquisite soft shell pink Childsi.	10
Augusta—Lovely pure white with purple anthers.	10
Columbia—Light orange-scarlet, penciled blue.	10
May—Lovely white, flaked with crimson.	10
Henry Gilman—Salmon scarlet.	10
Mrs. Francis King—Light scarlet.	10
Madam Moneret—Bright pink.	10
La March De Princes.	10
Princes—Huge flowers, dazzling scarlet.	10
Jessie—Early flowering, velvety red.	10

All Gladiolus sent postpaid except at hundred rates.

VEGETABLE PLANTS.

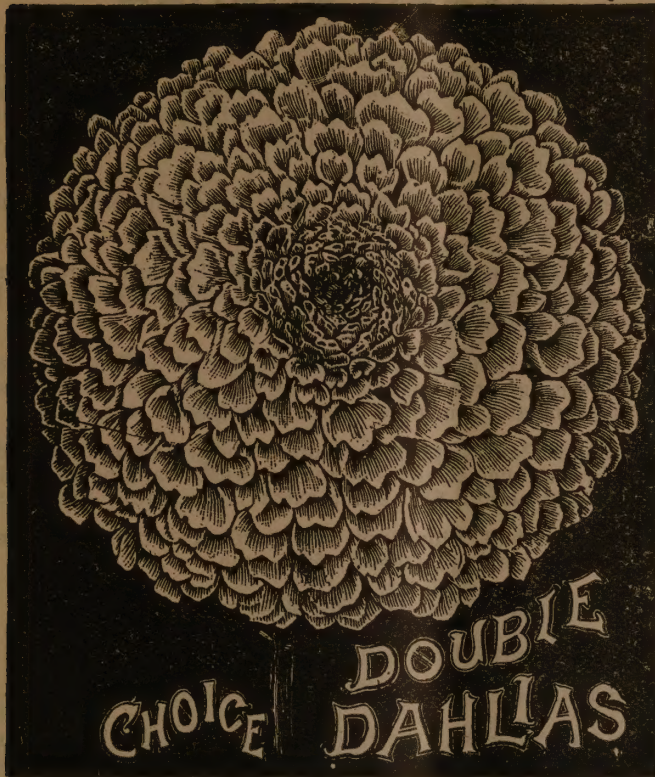
	Per 100
Asparagus—Strong two year old plants.	\$1 50
Cabbage—Ready about May 1st. Early Jersey, Wakefield, Henderson's Early Summer, Etc.	50
Cauliflower—Ready May 15th to 30th. High Grade Dwarf Erfurt.	1 00
Celery—Ready June 15th. Early and late varieties.	75
Tomato—Strong frame grown transplanted plants. Per doz., 30c.	2 00

STRAWBERRY PLANTS.

We offer the following select list of well grown plants. Varieties marked B have perfect flowers; those marked P should be planted contiguous to perfect flowered varieties.

	Per 100
Glen Mary, P.	\$1 50
Buster, P.	1 50
Haverland, P.	1 50
Clyde, B.	1 50
Splendid, B.	1 25
Williams, B.	1 25





DAHLIAS.

Strong Field Grown Roots.

The following list has been carefully selected and represents the best of their class for dwarf habit, profusion of bloom and purity of color. Price, 20c. each; \$2.00 per dozen.

SHOW AND FANCY DAHLIAS.

- A. D. Livoni—Rich, clear, pure pink.
- Bird of Passage—Very attractive, suffused with carmine rose.
- Duke of Clarence—Rich crimson maroon.
- George Smith—Extra large crimson.
- Glowing Coal—Glowing crimson scarlet.
- Grand Duke Alexis—Ivory white tipped pink.
- John Thorpe—Fine large, solferino red.
- John Walker—Pure glistening white.
- King Edward—Rich clear yellow.
- Modesty—Delicate blush white.

CACTUS AND DECORATIVE DAHLIAS.

- Clifford W. Bruton—Bright yellow.
- Clara—Soft mauve, silvery white tips.
- Cora Gleason—Rich crimson.
- Countess of Lonsdale—Beautiful salmon pink.
- Flora—Pure white.
- Forest Hill Beauty—Glowing scarlet crimson.
- Mammoth Queen—Deep crimson maroon.
- Oban—Salmon shaded terra cotta.
- Sylvia—Pleasing mauve pink.

R O S E S



ROSES.

HARDY FIELD GROWN ROSES, HYBRID PERPETUALS,
HYBRID TEAS, MOSS, ETC.

- Capt. Hayward—H.P. Bright carmine crimson fine and full.
- Clio—H.P. Flesh color, shaded rosy pink, globular.
- Crested Moss—The good, old fashioned Moss Rose.
- Clothilde Soupert—Sweet scented, polyantha.
- Frau Karl Druschki—H.P. Snowy white, extra fine, in bud.
- General Jacquimnot—H.P. Bright crimson scarlet.
- Jonkheer J. L. Mock—H.T. New brilliant red, full pointed bud.
- J. B. Clark—H.T. Intense deep scarlet, shaded with crimson.
- Killarney—H.T. Pointed salmon pink buds borne in great profusion.
- Lyon—H.T. Long coral red buds, centre tinted with crome yellow.
- Marshal P. Wilder—H.P. Bright carmine red, large and full.
- Margaret Dickson—H.T. White with pale flesh centre, fine form.
- Mervielle de Lyon—H.P. White, tinted rose peach, splendid shape.
- Mrs. John Laing—H.P. Soft pink, large and beautiful.
- Magna Charta—H.P. Fine bright pink, very large and double.
- Madam Caroline Testout—H.T. Light salmon pink, very large and globular.
- Mrs. R. G. Sherman Crawford—H.P. Deep, rosy pink, fine free bloomer.
- Paul Nyron—H.P. Deep rose, double and large.
- Persian Yellow—Austrian Rose, very deep yellow.
- Ulrich Brunner—H.P. Beautiful, large, cherry red.
- White Killarney—H.T. A creamy white sport of Killarney 25c. each \$2.50 per dozen.

CLIMBING ROSES.

- Crimson Rambler—Very bright crimson, flowers borne in large clusters.
- Dorothy Perkins—Lovely shell pink, very vigorous and full flowering.
- Tausendschon—Pink, changing to bright red rose, 25c. each, \$2.50 per dozen.

HARDY SHRUBS.

These are exceedingly attractive for lawns or borders and will increase in size and beauty from year to year, some being valuable for their floriferous habits, while others are prized for their ornamental foliage. They are a source of pleasure continually.

Deutzia Lemoinei—A dainty white flowering dwarf shrub, 25c. each.

Berberis Thunbergi (Barberry)—A graceful shrub, producing clusters of bright scarlet berries which remain on the plant during winter, 25c. each.

Hydrangea Arborescens ("Hills of Snow")—The prettiest flowering shrub yet introduced. It commences to bloom in June and continues throughout August, 40c. each.

Hydrangea Paniculata Grandiflora—The grandest of all hardy shrubs, huge panicles of pink flowers changing to white. Strong plants, 25c. each; extra large plants, 50c. each.

Japan Snowball Viburnum Plicatum—A profuse bloomer, makes a splendid show, 50c. each.

Lilacs—Finest French varieties, 50c. each.

Syringa Vulgare—Common purple Lilac, 25c. each.

Syringa Vulgare Alba—Common white Lilac, 25c. each.

Lonicera Tartarica—Tartarian Honeysuckle, hardy and effective, 25c. each.

Philadelphus Coronarius—Syringa or Mock Orange, 25c. each.

Spirea Van Houttei—Flowers pure white, borne in the greatest profusion, early flowering, 25c. each.

Spirea Anthony Waterer—A pretty low growing red variety, 25c. each.

Viburnum Sterilis—Snowball, 40c. each.



HYDRANGEA ARBORESCENS

Perfection CURRANT

First Fruit to be awarded the \$50 Gold Barry Medal of the Western New York Horticultural Society, also received highest award of any new fruit at Pan-American Exposition.

Awarded Gold Medal St. Louis Exposition 1904

Natural Size.

Reproduced from Photograph made at New York State Agricultural Experiment Station, Geneva, N. Y., July, 1901.



SMALL FRUIT.

	per doz.
Perfection Currant	\$1 50
Raspberry—The Herbert, the newest and best	1 00
Raspberries—Standard varieties	75
Blackberries—Standard varieties	75
Currants—Red, White, Black, standard varieties	1 00
Gooseberries—Standard varieties	2 00



HYDRANGEA PANICULATA

PERENNIALS.

OR HERBACEOUS PLANTS.

These are justly growing in popularity year by year. We offer strong plants from the following reliable list.

Achillea, The Pearl—Gives the greatest profusion of white flowers, 15c. each; \$1.50 per doz.

ANEMONE (Japanese Wind Flower)—Most beautiful late flowering plants.

Japonica Alba—Fine large snowy white.

Queen Charlotte—Very large, silvery pink.

Rosea Elegans—Delicate silvery rose.

15c. each, \$1.50 per dozen.

Aconitum—Monk's Hood, late flowering, effective shades of blue, 3 to 5 feet. Named varieties, 15c. each.

Aquilegia (Columbine)—Old favorite spring flowering plants, 15c. each; \$1.50 per doz.

Bocconia (Plume Poppy or Tree Celandine), 15c. each; \$1.50 per doz.

Campanula (Canterbury Bells)—An old time favorite. 15c. each; \$1.50 per doz.

Convallaria (Lily of the Valley)—30c. per doz. pips.

Delphiniums (Hardy Larkspur)—One of the most satisfactory perennials. Fine plants, 15c. each; \$1.50 per doz.

Dielytra Spectabilis—The good old fashioned Bleeding Heart, 20c. each; \$2.00 per doz.

Digitalis (Foxglove)—Mixed colors, 10c. each; \$1.00 per doz.

Dictamnus Fraxinella—Gas Plant, *Alba* and *Rubra*, 1½ to 2 feet, blooms during July, 20c. each; \$2.00 per doz.

Double Daisy—*Bellis Perennis*, white and pink. 50c. per doz.

Forget-Me-Not—*Myosotis Alpestris*, blue, strong plants, 5c. each; 50c. per doz.

Funkia (Plantain Lily)—*Subcordata Grandiflora* white, *Cerulea* blue. *Undulata*, variegated foliage, 15c. each; \$1.50 per doz.

Gaillardia Grandiflora—One of the showiest and most lasting hardy plants, 10c. each; \$1.00 per doz.

Gypsophila—*Paniculata* (Baby's Breath), gauze like white panicles of flowers, 15c. each; \$1.50 per doz.

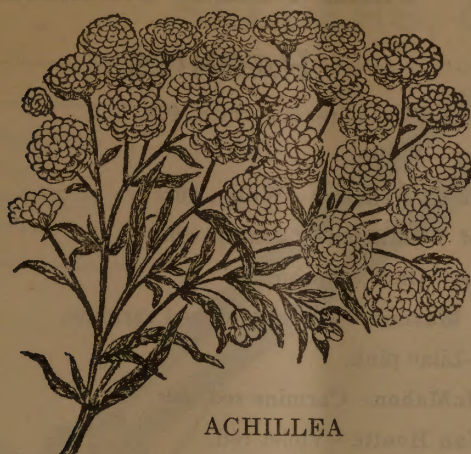
Helianthus—*Multiflorus*, double Dahlia-like yellow flowers. *Miss Mellish*, large single golden yellow, 15c. each; \$1.50 per doz.

Helenium—*Autumnale Superbum*. A grand perennial. *Grandicephalum Striatum*, orange color, blotched crimson, 15c. each; \$1.50 per doz.

Hemerocallis—*Flava* (Yellow Day Lily) very desirable, 15c.

Heuchera *Sanguinea*—Bright coral red, 15c. \$1.50 per doz.

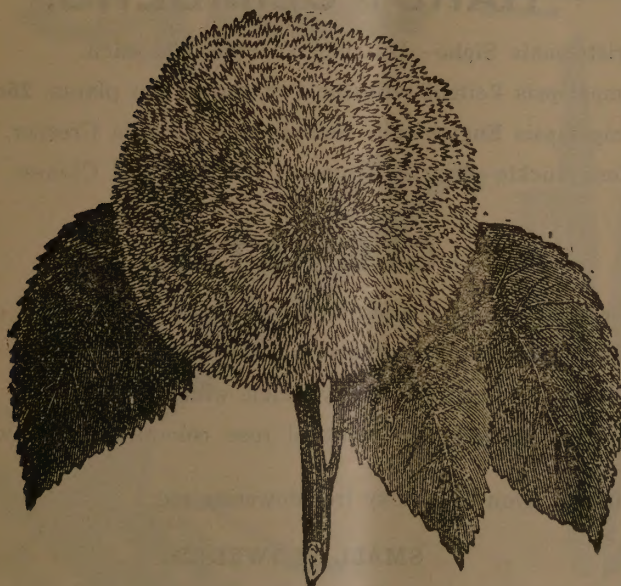
Hollyhocks—A fine variety from Chater's prize seed. 15c. each; \$1.50 per doz.



ACHILLEA



FORGET-ME-NOT DISSITIFLORA



DOUBLE SUNFLOWER



PÆONY



CLEMATIS JACKMANII

PERENNIALS—Continued.

PÆONIES.

- Couronne d'Or—Creamy white, 40c.
 Cytherex—White.
 Duchess de Nemours—White, 40c.
 Duke of Wellington—Creamy white.
 Delachei—Dark crimson.
 Festiva Maxima—White, blotched carmine.
 Faust—Lilac pink.
 Gen. McMahon—Carmine red, 50c.
 Louis Van Houtte—Violet red.
 Magnifica—Blush.
 Jeanne d'Arc—White.
 Meissonier—Brilliant pink.
 Madam Rosseaux—Bright rose, 40c.
 Nee Plus Ultra—Bright rose.
 Reocesiana—Rose.
 Zoe Calot—Delicate rose.
 30c. each, \$3.00 per doz., except where noted.

PERENNIAL PHLOX—A splendid collection of large flowered varieties, 15c. each, \$1.50 per doz.

Iris Kaempferi—A splendid collection imported from Japan, 25c. each.

Iris Germanica (Fleur-de-lis)—Early flowering. A fine range of colors, 15c each; \$1.50 per doz.

Rudbekia (Golden Glow)—10c. each; \$1.00 per doz.

Spirea Palmata—Tall, red, very effective, 15c. each.

Sweet William—15c. each; \$1.50 per doz.

Tritoma Pfitzeri—The everblooming Flame Flower, 20c. each.

Valeriana Officinallis—Hardy Garden Heliotrope, 15c. each; \$1.50 per doz.

HARDY CLIMBERS.

- Aristolochia Sipho—Dutchman's Pipe, 50c. each.
 Ampelopsis Veitchii—Boston Ivy, strong pot plants, 25c.
 Ampelopsis Englemanni—Self-clinging Virginia Creeper, 25c.
 Honeysuckle—Scarlet Trumpet, Halleana and Chinese, 25c.

CLEMATIS.

- Large flowering varieties, strong pot grown plants, 50c. each.
 Jackmanii—The best known variety, royal purple.
 Henryii—A beautiful, hardy, single white.
 Hybrida Splendens—Beautiful rose colored small flowered variety.
 Ville de Lyon—A pretty free flowering red.

SMALL FLOWERED.

- Paniculata (Japanese Virgin's Bower)—One of the prettiest and most satisfactory of climbers, 25c. each.

SEEDERS, CULTIVATORS, ETC.

Without Exception
the best
Hand Seed Drill in
the market.



THE NEW MODEL SEED DRILL.

It is the best, the surest and easiest operated Drill in use.

The index or indicator is convenient and reliable. The names of the principal seeds to be sown are plainly shown on the Index itself. The Cut-off to stop the flow of seed can be instantly operated from the handles. The marker is easily adjusted. The complete machine weighs only 35 lbs. . . . \$9.50

EUREKA COMBINED HILL and DRILL SEEDER and CULTIVATOR.

Packed Weight 65 pounds.

The addition of another light steel frame and our adjustable plows, hoes and cultivator teeth to the No. 1 Eureka Drill makes a most complete equipment. The parts are all shown in Figure No. 2.

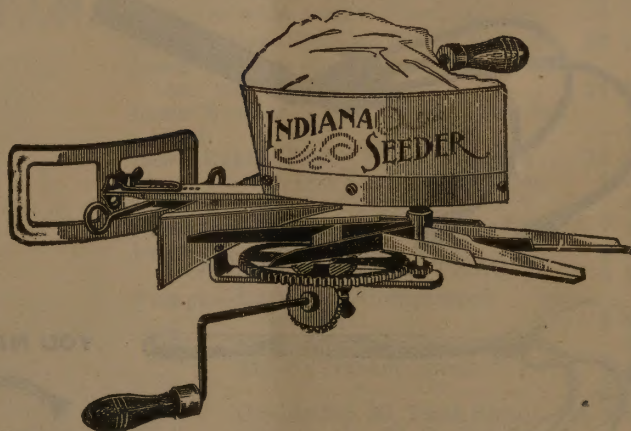
This outfit gives the gardener:—

- A Complete Seed Drill.
- A Complete Hill Dropping Seeder.
- A Two Wheel Plow.
- A Two Wheel Hoe.
- A Two Wheel Five Tooth Cultivator.

To convert the drill into a cultivator simply detach the handles, front wheels and axle from the drill frame and attach them to the cultivator frame. This takes but a short time. The wrench is supplied. The interchangeable plows, hoes, and cultivator teeth are strongly attached and easily and quickly adjusted by the ingenious clips five of which go with each cultivator. Price \$10.00

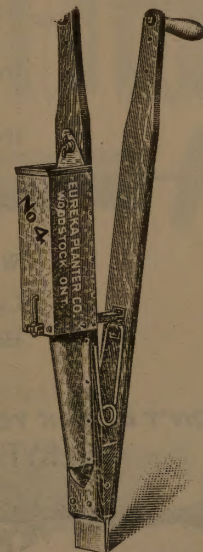
IRON AGE DRILL SEEDER No. 16.

Price \$10.00

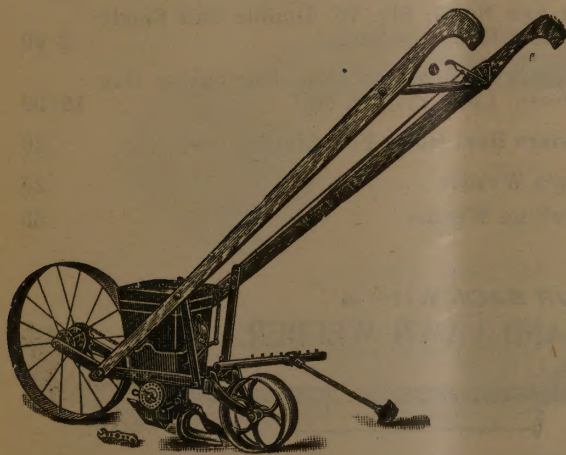


INDIANA BROADCAST SEEDER

Indiana Broadcast Seeder. Price \$1.50

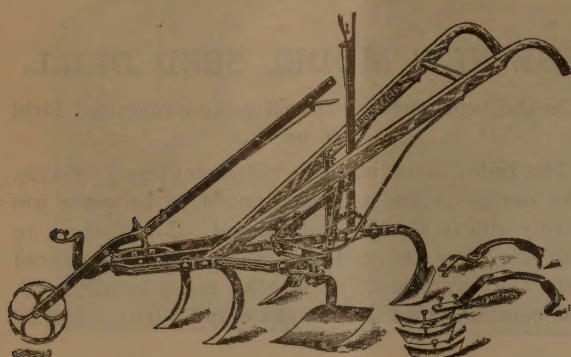


Eureka Corn Planter No. 4, \$1.50

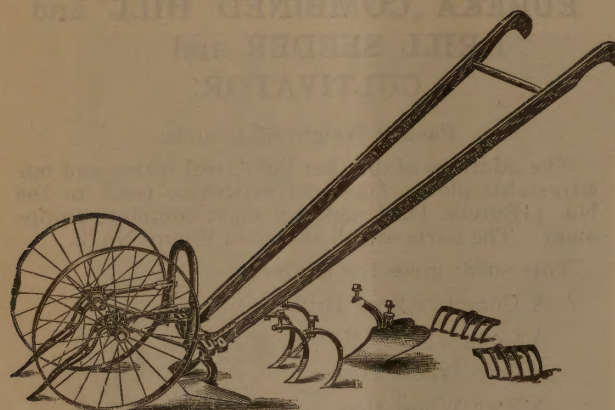


Iron Age Hill and Drill Seeder

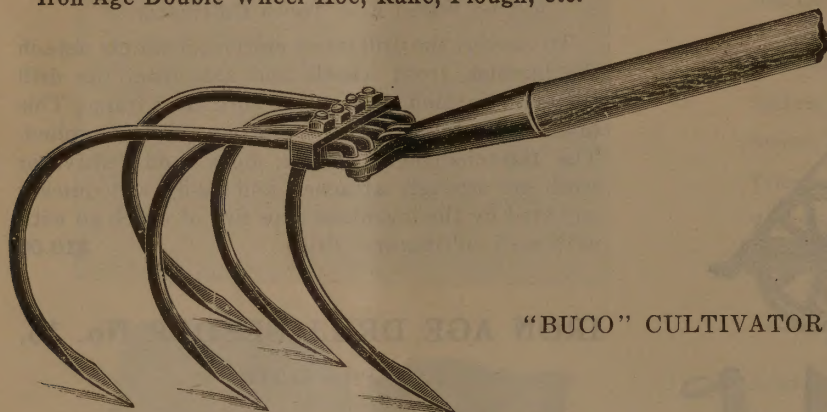
CULTIVATORS.



IRON AGE HORSE CULTIVATOR



Iron Age Double Wheel Hoe, Rake, Plough, etc.



"BUCO" CULTIVATOR



CAXTON CULTIVATOR



CUMA CULTIVATOR



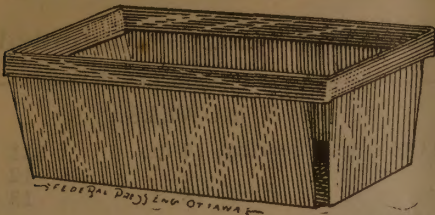
EUREKA No. 8 GARDEN CULTIVATOR

Planet Junior Horse Harrow—With strawberry weeder and cutter.....	\$12 00
Planet Junior Horse Hoe—Complete.....	10 00
"Buco" Cultivator—Best hand cultivator on the market.....	1 00
Caxton Cultivator.....	75
Cuma Cultivator.....	40
Eureka Cultivator No. 6—Double wheel, hoes, ploughs and five cultivator teeth.....	6 00
Barker Weeder and Mulcher.....	6 00
Iron Age No. 1 Horse Harrow.....	7 50
Iron Age Horse Hoe and Cultivator.....	8 00
Iron Age Single Wheel Cultivator, No. 10—Side hoes only.....	4 00
Iron Age Double Wheel Cultivator, No. 3—Side hoes only.....	5 25
Iron Age No. 1, Fig. 75, Double and Single Wheel Hoe, complete.....	8 50
Farnham Dust Motor—For distributing Bug Death, Land Plaster, etc.....	16 00
Western Beet Hoe—For thinning beets, etc..	20
Lang's Weeder.....	25
Hazeltine Weeder.....	30

**YOU NEEDN'T BREAK YOUR BACK WITH A
CLEVELAND LAWN WEEDER.**



The only practical device on the market.

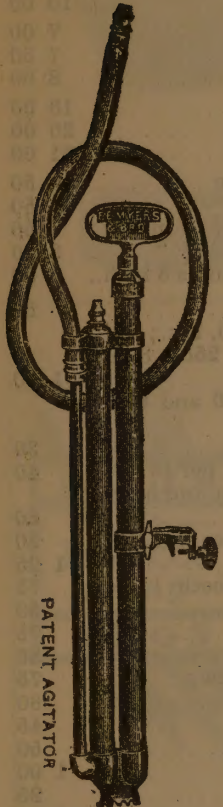


LANG'S HAND WEEDER

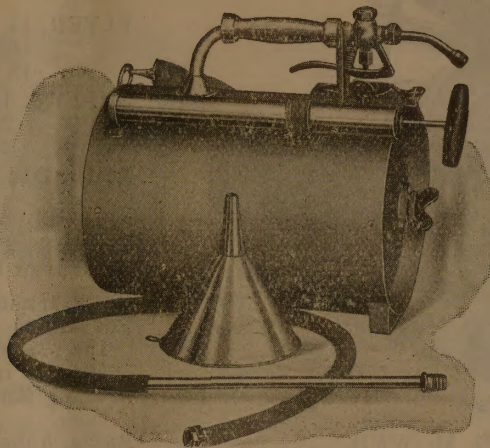
HANDIEST
TOOL

ON EARTH.

30¢
By MAIL
PREPAID



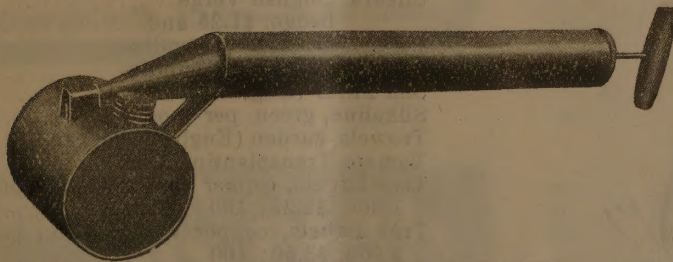
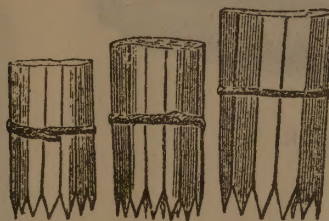
MYERS'
BUCKET SPRAY



EUREKA SPRAYER



LENNOX SPRAY



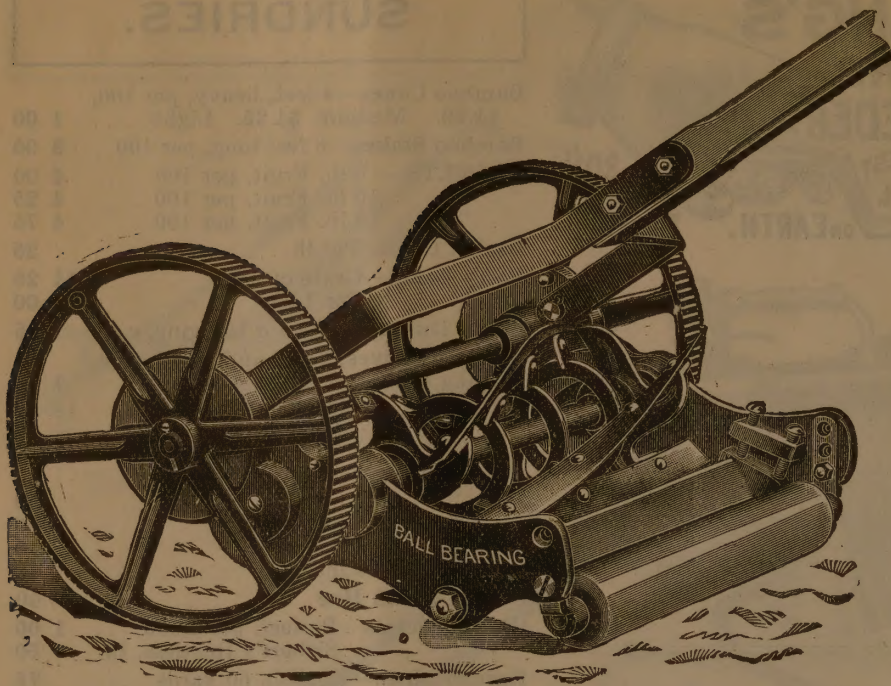
EUREKA SPECIAL SPRAYER



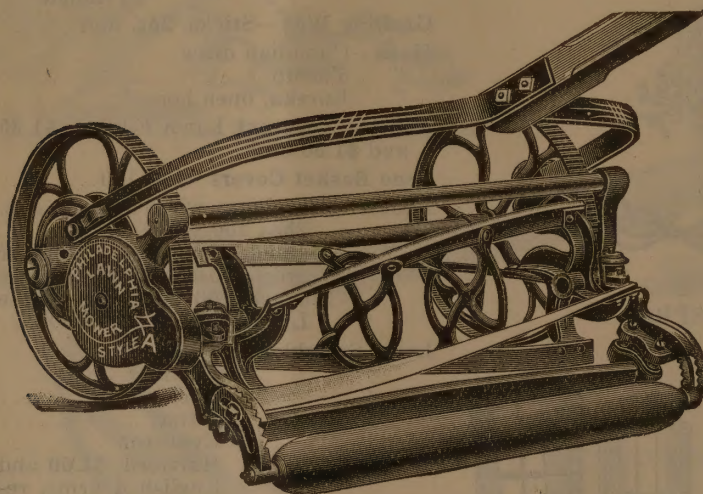
PRUNING SHEARS

SUNDRIES.

Bamboo Canes—4 feet, heavy, per 100,	\$1.50.	Medium, \$1.25.	Light.....	1 00
Bamboo Stakes—8 feet long, per 100..				3 00
BASKETS— 5 lb. Fruit, per 100.....				4 00
" 10 lb. Fruit, per 100.....				4 25
" 15 lb. Fruit, per 100.....				4 75
Basket Clips—Per lb.....				25
Berry Boxes—Crate of 250.....	\$1			25
" Per 1,000.....				4 00
Bills—Dunse pattern for Hedging, each				1 25
Budding Knives, \$1.00 and \$1.25 each.				
Digging Forks—English, 4 prongs.....				1 25
" English, 5 prongs.....				1 50
" Canadian.....				90
" English Border.....				1 25
Dutch Hoes—4 inch.....				40
" 5 inch.....				50
" 6 inch.....				60
" 8 inch.....				70
" 10 inch.....				90
Eureka Dutch Hoe.....				40
Glazing Points—Perfect, per 1,000....	1			00
" Siebert's Rustless, lb.				60
Garden Lines—English, 60 yards.....				75
" Canadian.....				10
Gloves—Pruning, 55c., 75c. and.....				1 00
Garden Reels and Stake—Flat.....				75
" " Triangle....				1 00
Grafting Wax—Sticks, 25c. and.....				40
Hoes—Canadian draw.....				50
" Turnip.....				50
" Eureka, open hoe.....				50
Knives—Crescent Lawn Edging, \$1.25				
and \$1.50 each.				
Leno Basket Covers—Per 100.....				1 00
Labels—Aluminum, wired nursery, doz.				
25c., 100.....				1 50
" Celluloid, for nursery work or				
greenhouse, per 100.....				1 70
" Zinc, per 100, 50c.; Wired Tree				
Labels, 3½ in., per 100....				35
Lawn Sprinklers—Gibbs.....				40
" Pluvius.....				1 50
" Cyclone.....				1 85
" Aetna.....				2 00
" Evanston.....				60
" Hartford, \$1.00 and				1 25
English 4 arms, re-				
volving.....				7 50
Lawn Roller, Dunham Water Weight—				
18 inch wide, weight filled 300 lbs...				14 00
24 inch wide, weight filled, 500 lbs...				18 00
Lawn Roller—English Water Ballast..				32 00
Lawn Rollers—2 section, weight 225				
lbs., each.....				14 00
Lawn Weeder—"Cleveland." See cut.				
Each.....				75
Lawn Rake—Finley Rotary, 20 inch...				14 00
Liquid Putty—Old English, per gallon..				1 25
Lennox Improved Spray.....				50
Plant Boxes—Per 100, \$1.50, per 1,000.				7 50
Peat—Imported Orchid, sack.....				4 00
" Wimbledon, sack.....				3 00
Pumps—Eureka Compressed Air				
Sprayer.....				6 00
" Eureka Special Sprayer.....				60
" Myer's Bucket Spray.....				2 50
" " ".....				4 00
" Oneida No. 33, Tank Spray...				8 00
" Smith's No. 32 Bucket Spray				
and White Washer.....				5 00
" Spramotor Outfit No. 2 F....				18 00
Putty Bulbs—Each.....				1 50



TOWNSEND'S VICTORY LAWN MOWER



PHILADELPHIA MOWER

ROLLER BEARING LAWN ROLLER

Patented

Fill with water to desired
weight.



The Dunham "Water-Weight" Lawn Roller

SUNDRIES Continued.

LAWN MOWERS.

VICTORY, ball bearing, 14 in.	\$11 00
" " 16 "	12 00
" " 18 "	13 50
PREMIER, 14 in.	8 50
" 16 "	9 00
" 18 "	10 00
FLYER, 14 in.	7 00
" 16 "	7 50
" 18 "	8 00
SUPERB, 18 in.	18 00
" 20 "	20 00
" 22 "	21 00
PHILADELPHIA, K., 16 in.	10 50
" 18 "	11 50
" All Day, 16 in.	7 50
" " 18 "	8 50
Gleaner or Edger—Townsend's 8 inch.	7 00
Pot Brackets—Each	50
Pot Labels—3 1/2 in., per 100, 12c.; 4 in., 15c.; 5 in., 20c.; 6 in., 25c.; 8 in., 50c.; 10 in., 75c.; 12 in., 1 00	
Pruning Knives, 75c., \$1.00 and \$1.50 each.	
Raffia, 5 lbs., \$1.00; per lb.	30
" Choice best quality, per lb.	40
" Green, yellow, scarlet and black, per lb.	50
Reeds, for fancy work, ounce	10
Rubber Sprinklers, No. 1	1 25
Rakes, Hustler, Lawn, 24 teeth	75
" cast steel, 12 teeth	50
" " 14 "	75
" " 16 "	85
" Ney's Automatic Lawn	75
Saws, Pruning—Each	60
Sickles, English, No. 2	45
" No. 3	50
" Long handled	1 00
Spuds	25
Scythes, Tyzack's Lawn	1 50
" Canadian	1 00
Syringe, heavy brass, 18 x 1 1/2 in.	3 50
" " 20 x 1 1/4 "	4 50
" special " 18 x 1 1/2 "	1 25
Secateur Wheel Spring, 6 in.	1 00
" 7 in.	1 25
" 8 "	1 50
" 9 "	1 75
Scissors, grape thinning, 55c. and	80
" flower gathering, 60c. and	1 00
Spades, best English, each	1 75
" heavy nursery	2 25
" English light	1 25
Shears, English Verge	1 00
" hedge, \$1.25 and	1 50
" grass, long handles	2 25
" verge, long handles	2 25
Sod Lifter (English)	3 50
Silkline, green, per spool	25
Trowels, garden (English), 25c. and	60
Tomato Transplanting Hoe	50
Tree Labels, copper wired, 3 1/2 in., per 1,000, \$1.25; 100	25
Tree Labels, copper wired, 5 in., per 1,000, \$3.50; 100	40
Tree Pruners, Standard English, 12 ft.	3 00
Wheelbarrows, heavy Garden, each	3 75
Weeders, Cleveland Lawn Weeder	75
" Lang's	25
" Hazeltine's	30
" 4 prong, English	40
" Active	15
" Brown's	45
" Eureka	40



Standard Flower Pots.

2 in. per doz.	10	Per 100	\$ 70
2 1/2 " "	12	" "	80
3 " "	15	" "	1 00
4 " "	20	" "	1 40
5 " "	35	" "	2 50
6 " "	60	" "	4 00
7 " "	80	" "	6 50
8 " "	\$1 50	9 in. p. doz.	2 25
10 " "	3 00	12 " "	5 50

Saucers of all sizes extra.

Standard Fern or Bulb Pans.

5 in., per doz., Straight edge	\$ 60
6 " " Standard	55
7 " " "	85
8 " " "	1 40
10 " " "	2 00
10 in. Hanging pots, each	30

Saucers—4 in., 12c.; 5 in., 15c.;
6 in., 25c.; 7 in., 40c.; 8 in., 80c.;
9 in., \$1.00; 10 in., \$1.50, per doz.

INSECTICIDES, ETC.

Cyanide of Potassium—98-100 double salt. Tin, 5 lb., \$2.00.
Mortaphis—Destroys Scale, Green and Black Fly, Thrip, Red Spider, Mealy Bug, Caterpillars, &c. Pints, 75c.; quarts, \$1.40.
Nico Fume Liquid (40% nicotine)—Kills all insect pests. Pints, \$1.75; 1/2 gal., \$5.75.
Nico Fume Tobacco Paper—Extensively used by prominent florists. 24 sheets, 75c.; 144 sheets, \$3.50.
V-2 Liquid—For spraying fruit trees. Gal., \$2.25; quart, \$1.00.
Weedicide—Efficient weed killer. Gal., \$1.50; quart, 50c.
Nicotidine—Remedy against Aphis, Red Spider, etc. Prices per tin, \$4.50, \$2.50 and \$1.25.

Aphis Punk—Easily applied and sure death to plant pests. Per roll, 10c.; box of 12 rolls, 65c.

Nikoteen—Remedy against Aphis, Red Spider, Thrip, Plant Louse, Mealy Bug and other insects. Per pint, \$2.00; bottle, 50c.

Pure Flour of Sulphur—Per lb., 6c.; 10 lbs., 50c.

Gishurst's Compound—A reliable insecticide. Boxes, 40c. and \$1.00 each.

Caustic Whale Oil Soap—A safe and reliable remedy. Dissolve 1 lb. to 4 gals. of water. Tins, 20c. and 25c.; 50 lb. kegs, \$4.00.

Sulpho-Tobacco Soap—For plants and animals. Cakes, 10c. and 20c.; lb., 30c.

Slug Shot—Per lb., 6c.

Grape Dust—Excellent for stopping mildew. Per lb., 10c.

V-2 K Liquid—Excellent preventive of mildew. Quart, \$1.00.

Ant Chasers (Conkey's)—Drives ants from the lawn. Pkt., 25c.

Arsenate of Lead—1 lb., 25c., 2 lbs., 45c.; 5 lbs., \$1.00; in bulk \$12.00 per 100.

Vaporite—The great destroyer of soil insects, cut worms, wire worms, ants, slugs, etc. Per tin, 25c., 50c., \$1.60; per 100 lbs., \$4.00.

Worm Killer—Carter's very effective. Per lb., 5c.

Fir Tree Oil—One of the most efficient insecticides. Price, half pints, 50c.; pints, 75c.; quarts, \$1.40.

Sulphur—Per lb., 10c.; 10 lbs., 50c.

Copper Sulphate (Powdered)—Per lb., 10c.; 10 lbs., 90c.

White Hellebore—Per lb., 25c.

Pyrethrum Powder—Per lb., 50c.

Paris Green—Best English. Per lb., 25c.

Bug Death—Sure death to all insects, non-poisonous to human life. Price: 1 lb., 15c.; 3 lbs., 35c.; 5 lbs., 50c.; 12 1/2 lbs., \$1.00; per 100 lbs., \$7.00. Fine for potato vines, cucumber and squash vines.

FERTILIZERS.

Plantoides or Plant Pills. Boxes, each 25c. and 50c.

Sulphate of Ammonia—A desirable fertilizer; 1 teaspoonful to 1 bush. soil or 3 galls. of water; tins, 20c. and 30c.

Royal Canadian Superphosphate—Fine fertilizer for all root crops. Ton, \$35.00; 100 lbs., \$2.00.

Albert's Concentrated Horticultural Manure—Soluble in water. One of the best stimulants for flowering plants. Per lb., 15c.; 10 lbs., \$1.00. Teaspoonful to 1 gall. water.

Muriate of Potash—Per 100 lbs., \$3.50.

Bon Arbor—Soluble in water, high class fertilizer. Lb., 20c.

Muriate of Potash—Per 100 lbs., \$3.50.

Tankage—A fine fertilizer for vegetables. Per 100 lbs., \$2.00.

Bone Meal—A valuable well-known fertilizer. Per 100 lbs., \$2.25; 6 lbs., 20c.

Clay's Fertilizer—Recommended to those who grow flowers and wish to bring them to perfection. Pkts., 25c. and 50c.

Nitrate of Soda—Per lb., 5c.; 100 lbs., \$4.00.

Dominion Flower Fertilizer—Pkt., 25c.

Lawn Dressing—Odorless. Per lb., 3c., 100 lbs., \$2.50.

Compost—Our own specially prepared Compost, ready for use. Per bushel, 40c.

SULPHO-TOBACCO SOAP

A Wonderful and Inexpensive Insecticide

Sulpho-Tobacco Soap is a powerful agent for the destruction of all bugs and insects. One or two applications will rid plants of the pests. Full directions with each cake.

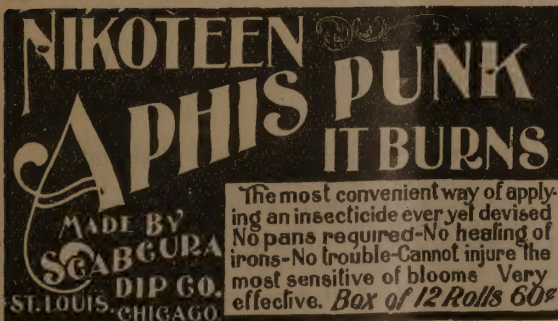
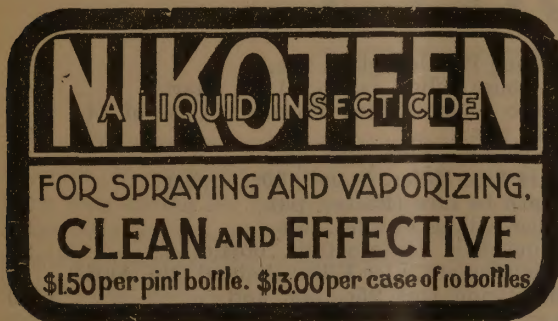
Destroys cabbage-, squash- and potato-bugs, currant-worms, lice, green-fly, mealy bug, red spider, etc. Sure death to all plant insects indoors and out-of-doors. Of special value for spraying shrubs, fruit-trees and vines.

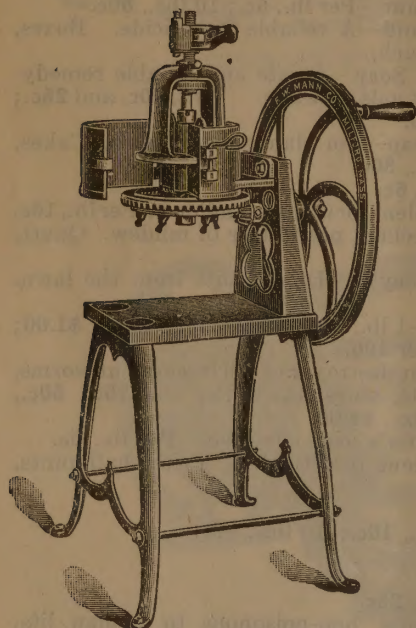
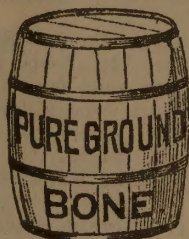
3-oz. Cake makes 1 1/2 gallons prepared solution. 10 cents. Mailed, postpaid, for 13 cents.

8-oz. Cake makes 4 gallons prepared solution. 20 cents. Mailed, postpaid, for 28 cents.

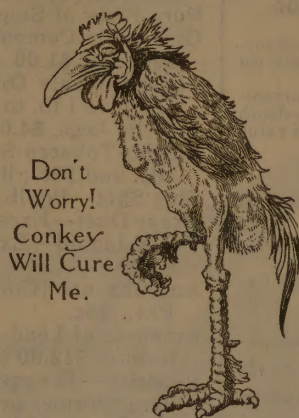
10-lb. Cake makes 80 gallons prepared solution. By Express, \$3.00.

Free with every order, "The Window Garden," a booklet by Eben E. Rexford, giving valuable information on the cultivation of plants and the extermination of insects.

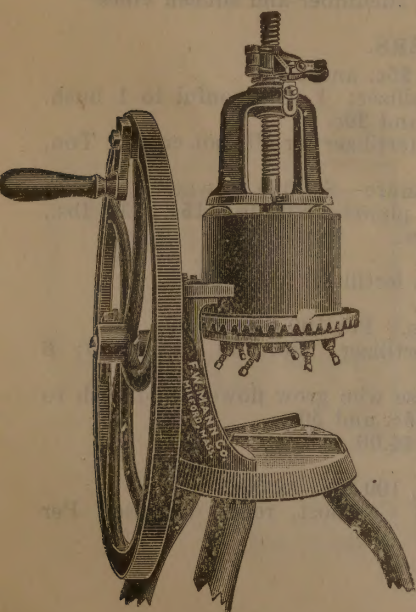




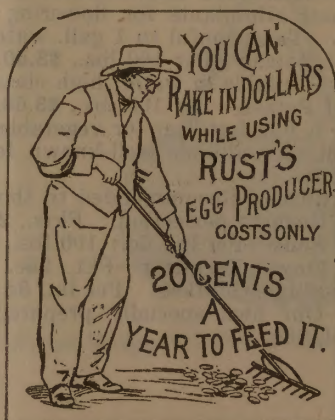
MANN'S BONE MILL



Don't
Worry!
Conkey
Will Cure
Me.



MANN'S BONE MILL



POULTRY SUPPLIES.

FOODS.

Dry Mash—"Makes them lay or bust", per 100.....	\$3 25
Fish Scraps—Fine and coarse, lb., 5c., per 100.....	4 00
Beef Scraps—Per lb., 5c.....	4 50
Scratch Food—Park & Pollards, lb., 3c.....	2 75
Millet for Chicks—Per lb., 4c.....	3 00
ROYAL CANADIAN CHICK FOOD—Our own manufacture, the best and safest dry chick food on the market, lb, 5c., 6 lbs., 25c.....	
Granulated Bone—Per lb., 4c.....	3 00
Alfalfa Clover Meal—Per lb., 3c.....	2 50
Growing Food—For maturing chicks, Park & Pollards, lb., 4c.....	3 50
Nutrine Chick Salts—Essex model. Life insurance for baby chicks, pkt.....	60

SHELLS, GRIT AND CHARCOAL.

Mica Crystal Poultry Grit, per lb., 1½c... per 100 lbs.	90
Mica Crystal Chicken Grit, per lb., 1½c... per 100 lbs.	1 00
Peerless Crushed Oyster Shells, per lb., 1½c.; per 100 lbs.....	90
Essex Model Granulated Charcoal—Medium and fine in 2 lb. packets. Each.....	15
Esso Charcoal, granulated, for poultry, per lb., 5c.; per 100 lbs.....	3 50

REMEDIES.

CONKEY'S ROUP CURE, pkts, \$1.00 and.....	50
Rust's Roup Powder—Boxes, 25c. and.....	50
Rust's Roup Pills, per box.....	25
Germozone, Cure for roup, colds, chicken cholera, etc., pkt.....	50
Morgan's Roup Cure, per bottle.....	25
Scaley Leg Ointment, box.....	25
Rust's Haven's Climax, pkts. 50c. and.....	25

EGG MAKERS.

Conkey's Egg Maker, pkt.....	25
Rust's Egg Producer, pkt., \$3.50, \$1.50, \$1.00, 50c....	25
Pratt's Poultry Food, pkts. 25c. and.....	10

INSECTICIDES.

Rust's Lice Killing Powder, pkts., 25c.....	10
Rust's Liquid Louse Killer, gallon, \$1.00; quart.....	40
Sulphated Carbo Louse Killing Powder. Case of 24 tins, \$3.50; pkt.....	25
Conkey's Lice Powder, pkts., 25c. and.....	10
Conkey's Liquid Lice Killer, ½ gal., 60c.; quart.....	40
Lambert's Death to Lice (Paste), pkt.....	10
Zenoleum—Lice Killing Powder, pkt.....	25
Zenoleum—Household Disinfectant, bottle.....	25
Zenoleum—Disinfectant, Lice Killer, Animal Dip, Antiseptic Insecticide, tins, 25c., 50c. and.....	1 50

SUNDRIES.

Rusoline—An effective disinfectant, germicide, etc. Pint, 35c.; quart, 50c.; ½ gal.....	85
Buffalo Security Hopper, each.....	1 50
Vigilant Nests, each.....	45
Fountains, each 30c., 40c., 75c. and.....	90
Sanitary Feed Box.....	75
Poultry Marker, each.....	50
Chick Marker, each.....	35
English Rubber Poultry Rings, in 10 colors. Best and most up-to-date band. Doz. 25c.; per 100.....	1 50
Leg Bands—Leader, Champion, Eclipse, Climax, Smith's Double Clinch, doz. 20c.; per 100.....	1 00
BONE MILLS—Mann's No. 7, 1902 Model, 6 knives, mounted.....	15 00
BONE MILLS—Mann's No. 9, B, 6 knives, mounted.....	21 50
For cutting Green Bone these Mills are unequalled.	
Porcelain Nest Eggs, per doz.....	30
Knox Nest Eggs (insecticide), doz. 75c.; each.....	8
Egg Baskets—1 set, per doz.....	1 25
Egg Baskets—2 set, per doz.....	1 75

GRAHAM'S STANDARD BIRD SEED MIXTURE

HOW TO MAKE BIRDS SING

The care of the feathered pets is worth more consideration than the average owner bestows on them. Food and feeding is what tells. The average possessor of a song bird imagines that a "package of bird seed" is all that is required, and seldom or ever examines the contents to see whether it contains poor, weak, badly filled, dirty and sometimes musty seed; or fine, bold clean, well filled seeds. No bird can thrive and sing on the former grade. The secret of success with song birds is to feed them on wholesome, high grade, clean seed. Our Standard Bird Seed Mixture is composed of the highest grades of Spanish Canary, Sweet German Rape, Hemp, Japanese Millet, Lettuce Seed and Teazle, and each package contains a piece of clean cuttle fish bone. Our mixture is composed of the choicest of the seeds mentioned above and we claim it to be the best procurable. Nothing is so conducive, therefore, to the health and cheerfulness of our feathered pets than clean, good seed—nothing so bad for them as cheap, poorly developed, light and dusty seed.

We can supply the genuine article at 10c. for 1 lb.; 3 lbs. for 25c.

GRAHAM'S ROYAL CANADIAN CHICK FOOD

The average poultry raiser suffers more loss from the death of young chicks than from infertile eggs. With other advances however, in scientific feeding, the dry food system has revolutionized all others. Our fathers used to occupy a great deal of their time during the hatching season in boiling up eggs and mixing bread crumbs for starting the youngsters in life. But those times have passed, and now we have the universally adopted law of feeding the chicks from shell on dry food. This system is gaining ground rapidly, and deservedly so, for by adopting it labour is lessened, time is saved, and there is no necessity for mixing mash and feeding the chicks every two or three hours. Furthermore, there is no danger of the food becoming fermented or going sour, which is the cause of the worst forms of diarrhoea, and indigestion, with their subsequent ills and finally the deaths of the chicks so affected. By adopting the dry-feeding system each chick, weak and strong alike, will get its share of food, which is eaten naturally and slowly. It never becomes gorged, and digestion begins and goes on by slow degrees directly the food is picked up.

Now, as a matter of course, there are foods and foods—some good, some bad and some indifferent. The majority of dry chick foods offered to the public, however, are bad and indifferent. The most of them are composed of weak grains, the siftings of seed grain, the culls of the different grains employed in the manufacture of the food. Healthy, strong children are not raised on water gruel, neither is it possible to raise strong, healthy chicks on siftings.

Our ROYAL CANADIAN CHICK FOOD, on the contrary, is composed of only the best of grain. The different grains used in its composition are all strictly choice and clean. It contains everything necessary for the healthy upbuilding and development of young chicks. Water is the only other thing they need. We have bestowed so much care on the preparation of this food that it is rapidly acquiring a well deserved reputation, the proof of which is the doubling of the sales yearly. One of the important features of the Royal Canadian Chick Food is its moderate price, considering the high quality of the goods.

Price \$3.50 per 100 lbs.; 6 lbs. for 25c.; 5c. per lb.



MUSHROOM CULTURE.

Directions for Growing.—The most essential point to attend to in making a bed for Mushroom culture is to see that the Manure used is fresh; old or partly decayed stuff that has been in a pit, or exposed to the rain for some weeks is practically of no use for this purpose, its fermenting powers being exhausted, whilst a properly made bed from fresh droppings maintains a tolerably even temperature for 4 or 6 weeks.

Take of horse-droppings fresh from the stable, and containing but little straw, as much as will make a bed the size required, 18 inches deep; this should be placed in a heap in a dry place, and be turned over three times with an interval of two days between each turning, thus ensuring subsequently an even and continuous fermentation. Then make the bed in a dry position away from the light and draught, pressing the Manure slightly, and in three days, the bed being warm (65 to 75 degrees), get the spawn, and break the cakes in about eight pieces, putting them all over the dung even with the surface, allowing one brick for each four square feet. Press down the manure smooth, but not hard, and place from half an inch to an inch of earth all over it; pat the earth down and smooth it quite level and firm with the back of a spade, and then lay some loose hay or straw all over the bed. When it approaches dryness, the bed must be sprinkled with water with the chill off, enough to wet the earth, but not the dung. Only water when quite necessary.

Our Mushroom Spawn is the best procurable; it is made into cakes especially for us by a celebrated Mushroom grower—who every year grows mushrooms by the ton for Covent Garden Market, and the quality is precisely the same as he uses for his own beds.

Fresh English Mushroom Spawn—Per brick, 15c.; per dozen bricks, \$1.25; per 100 bricks, \$8.00—by freight at purchaser's charges. Twenty-five bricks at 100 rates. Special quotations to florists for large quantities. Add 5c. per brick for postage.

TO RAISE LUSTY CALVES FEED BIBBY'S CREAM EQUIVALENT AND MAKE BUTTER WITH THE MILK

A LITTLE GOES A LONG WAY.—You can make 450 gallons of rich nutritious gruel with an ordinary hundred-pound bag of Cream Equivalent if mixed with separated milk, or 300 gallons without the separated milk.

Cream Equivalent not only makes a large quantity of gruel, but it has also an extremely wholesome and appetising flavor. Another point in its favor is that all the starch in the meal is cooked, and hence the results can always be relied upon.

Cream Equivalent contains practically twice as much oil as the average calf meal, and as oil or fat is the most important constituent of a meal of this kind, this fact enhances its value considerably, as a substitute for milk, over other calf meals.

50 lb. bag, \$2.00; 100 lbs., \$3.90.



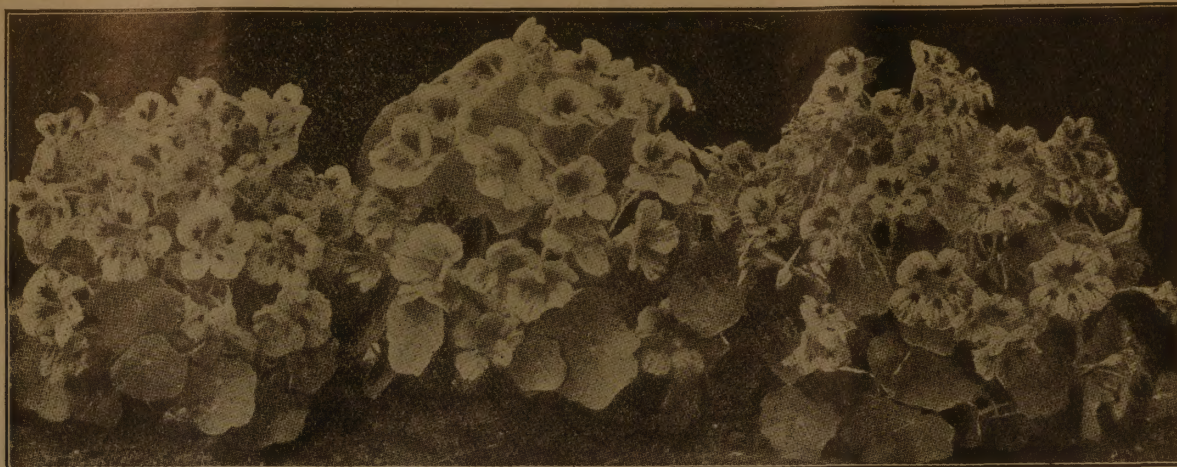
HOW TO MAKE A LAWN AND HOW TO TAKE CARE OF IT.

Grass is Nature's richest gift to man. A pretty lawn is admired as the most beautiful covering with which Nature has adorned the earth. A WELL KEPT lawn is a thing of beauty and delights the observer even more than the costly home that it surrounds. In the course of our business we are often asked, "How can I make a nice lawn;" or, "How can I re-make a lawn and afterwards keep it in good condition." A good lawn is one with a smooth surface of evenly coloured grass with a sod that is strong and elastic to the tread and on which the grass grows so close and fine that weeds cannot get a foothold. Now we are inclined to think that many people imagine that it is only necessary to sow a good LAWN GRASS MIXTURE and plenty of it in order to obtain the desired results. This is bad husbandry, however. It seems reasonable that if heavy seeding and dense plant growth are requisite for a perfect lawn, that SOIL CONDITIONS must be the best in order to sustain a rich and vigorous growth. If therefore, a new lawn is being made, the soil should first be thoroughly cultivated and a heavy application of well rotted manure or a liberal application of BONE MEAL or LAWN DRESSING worked into it, and then carefully raked and levelled. The fact cannot be overlooked that only the best and cleanest grasses should be sown. When we say the "best grasses" we do not refer to the variety of the grasses, but to the QUALITY OF THE VARIETIES. No one variety, nor two varieties can alone make an all season's lawn. Our CENTRAL FARM LAWN GRASS is a carefully prepared mixture of only the best qualities of the best varieties and we can heartily recommend its use when an old lawn has petered out and requires to be re-made, and if the soil has originally been fairly good, it is not necessary to spade up the ground. Good results can be produced by a simpler method. Take a sharp iron rake and after digging out as many of the weeds as possible, scratch deep into the soil, breaking it up fine. Give the ground then a liberal dose of bone meal or lawn dressing, scratch it over well again and sow the best Lawn Grass, and if your dealer cannot provide you with it, you can procure it from us by post or express.

Concerning the sprinkling or watering of a lawn, it is necessary to say a word or two, for in our hot dry summers it is essential to sprinkle the lawn to prevent it from burning. Many city people, however, who have a water tap at their command, actually ruin and wash out a lawn by persistent and continuous watering and without giving the lawn anything else to sustain it. A good heavy sprinkling once a week, when the lawn requires it, is better than the daily application.

ROLLING A LAWN is a very important matter and every first class lawn cannot be rolled too frequently. A light roller is not of much use. We offer a line of rollers on page 41 of this Catalogue which we can recommend. A great deal more might be said about raking off the grass cuttings, leaving the cuttings on the lawn, frequent cutting and rolling, applying a lawn dressing at times in summer, weeding a lawn, etc., but space prevents it. Keeping up a lawn is not the sort of work for a lazy man. Good lawns do not happen, but can only be obtained by intelligent and constant toil and incessant vigilance.

CENTRAL FARM LAWN GRASS MIXTURE, per lb., 30c.; post paid, 35c.



COLLECTION OF OUR SPECIALTIES IN FLOWER SEEDS

MAILED TO ANY ADDRESS IN CANADA FOR 75 CENTS

WORTH \$1.00 RETAIL

- 1 packet Aster, Graham's Royal Exhibition.
- 1 packet Dianthus, choice double mixed.
- 1 ounce Dwarf Nasturtium, Graham's Royal Exhibition Mixture.
- 1 packet Tall Nasturtium, Graham's Royal Exhibition Mixture.
- 1 packet Graham's Royal Exhibition Pansy.
- 1 ounce Graham's Royal Exhibition Sweet Peas.
- 1 packet Phlox Drummondii Grandiflora, choice mixed.

COLLECTION OF OUR SPECIALTIES IN VEGETABLE SEEDS

MAILED TO ANY ADDRESS IN CANADA FOR 50 CENTS

WORTH 70 CENTS RETAIL



DELICIOUS SQUASH

- 1 packet Hodson Wax Bean.
- 1 " Lucellus Chard.
- 1 " Golden Bantam Corn.
- 1 " Witham Fireball Beet.
- 1 " Copenhagen Market Cabbage.
- 1 " Improved Hanson Lettuce.
- 1 " New Century White Spine Cucumber.
- 1 " Forkhook Early Water Melon.
- 1 " Dwarf Perfection Parsley.
- 1 " Delicious Squash.
- 1 " Little Marvel Pea.



GRAHAM'S ROYAL EXHIBITION PANSY. Pkt. 25c.

GRAIN PRINTERS, LIMITED, BANK ST., OTTAWA.